

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:45:37 ON 11 JUN 2009

=> fil .bec

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.88

0.88

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 08:48:12 ON 11 JUN 2009
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11 FILES IN THE FILE LIST

=> s protein synthesis or translation

FILE 'MEDLINE'

1936673 PROTEIN

507498 SYNTHESIS

57149 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

56228 TRANSLATION

L1 107681 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'SCISEARCH'

1632406 PROTEIN

912262 SYNTHESIS

50171 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

68659 TRANSLATION

L2 112198 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'LIFESCI'

698001 "PROTEIN"

138430 "SYNTHESIS"

19584 PROTEIN SYNTHESIS

("PROTEIN"(W)"SYNTHESIS")

35588 TRANSLATION

L3 51762 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'BIOTECHDS'

182450 PROTEIN

27616 SYNTHESIS

1655 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

7090 TRANSLATION

L4 8456 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'BIOSIS'

1960553 PROTEIN

660842 SYNTHESIS

83707 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

100190 TRANSLATION

L5 176074 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'EMBASE'

1920178 PROTEIN

655108 SYNTHESIS

98047 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

55803 TRANSLATION

L6 145369 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'HCAPLUS'

2316711 PROTEIN

1479658 SYNTHESIS

77922 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

777636 TRANSLATION

L7 838901 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'NTIS'

15109 PROTEIN

36733 SYNTHESIS

639 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

64766 TRANSLATION

L8 65345 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'ESBIOBASE'

841848 PROTEIN

208994 SYNTHESIS

48510 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

30237 TRANSLATION

L9 73078 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'BIOTECHNO'

623255 PROTEIN

144368 SYNTHESIS

32236 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

25603 TRANSLATION

L10 54054 PROTEIN SYNTHESIS OR TRANSLATION

FILE 'WPIDS'

195783 PROTEIN

115954 SYNTHESIS

1776 PROTEIN SYNTHESIS

(PROTEIN(W)SYNTHESIS)

39613 TRANSLATION

L11 41141 PROTEIN SYNTHESIS OR TRANSLATION

TOTAL FOR ALL FILES

L12 1674059 PROTEIN SYNTHESIS OR TRANSLATION

=> s monosaccharide# or saccharide# or glucose or fructose

FILE 'MEDLINE'

16549 MONOSACCHARIDE#

4374 SACCHARIDE#

329598 GLUCOSE

28847 FRUCTOSE

L13 356412 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'SCISEARCH'

8319 MONOSACCHARIDE#

6481 SACCHARIDE#

260514 GLUCOSE

21536 FRUCTOSE

L14 281230 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'LIFESCI'

2024 MONOSACCHARIDE#

1563 SACCHARIDE#
57747 GLUCOSE
6825 FRUCTOSE
L15 63426 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'BIOTECHDS'

1015 MONOSACCHARIDE#
1537 SACCHARIDE#
35629 GLUCOSE
4229 FRUCTOSE
L16 38531 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'BIOSIS'

9096 MONOSACCHARIDE#
30544 SACCHARIDE#
374591 GLUCOSE
36581 FRUCTOSE
L17 422689 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'EMBASE'

5616 MONOSACCHARIDE#
3660 SACCHARIDE#
287206 GLUCOSE
20680 FRUCTOSE
L18 304252 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'HCAPLUS'

26877 MONOSACCHARIDE#
18735 SACCHARIDE#
477869 GLUCOSE
71512 FRUCTOSE
L19 529263 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'NTIS'

123 MONOSACCHARIDE#
276 SACCHARIDE#
3052 GLUCOSE
271 FRUCTOSE
L20 3429 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'ESBIOBASE'

2845 MONOSACCHARIDE#
1970 SACCHARIDE#
99928 GLUCOSE
7947 FRUCTOSE
L21 106468 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'BIOTECHNO'

1709 MONOSACCHARIDE#
1155 SACCHARIDE#
43289 GLUCOSE
5754 FRUCTOSE
L22 48243 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

FILE 'WPIDS'

5664 MONOSACCHARIDE#
15946 SACCHARIDE#
55970 GLUCOSE
11207 FRUCTOSE
L23 75066 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

TOTAL FOR ALL FILES

L24 2229009 MONOSACCHARIDE# OR SACCHARIDE# OR GLUCOSE OR FRUCTOSE

=> s l24(8a)(remov? or eliminat? or separat?)

FILE 'MEDLINE'

345962 REMOV?

182368 ELIMINAT?

419007 SEPARAT?

L25 3181 L13(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'SCISEARCH'

400246 REMOV?

213845 ELIMINAT?

639908 SEPARAT?

L26 2624 L14(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'LIFESCI'

94224 REMOV?

50789 ELIMINAT?

125830 SEPARAT?

L27 925 L15(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'BIOTECHDS'

38049 REMOV?

9486 ELIMINAT?

39244 SEPARAT?

L28 829 L16(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'BIOSIS'

389498 REMOV?

193490 ELIMINAT?

514626 SEPARAT?

L29 4605 L17(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'EMBASE'

307652 REMOV?

183005 ELIMINAT?

363027 SEPARAT?

L30 2971 L18(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'HCAPLUS'

1442124 REMOV?

420309 ELIMINAT?

464775 SEPARAT?

328650 SEP

503660 SEPD

120867 SEPG

651073 SEPN

1639170 SEPARAT?

(SEPARAT? OR SEP OR SEPD OR SEPG OR SEPN)

L31 10505 L19(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'NTIS'

59187 REMOV?

31653 ELIMINAT?

102337 SEPARAT?

L32 86 L20(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'ESBIOBASE'

123314 REMOV?

61495 ELIMINAT?

166211 SEPARAT?

L33 1489 L21(8A)(REMOV? OR ELIMINAT? OR SEPARAT?)

```

FILE 'BIOTECHNO'
    58975 REMOV?
    29224 ELIMINAT?
    73461 SEPARAT?
L34      794 L22(8A) (REMOV? OR ELIMINAT? OR SEPARAT?)

FILE 'WPIDS'
    1443877 REMOV?
    646998 ELIMINAT?
    1199269 SEPARAT?
        1334 SEP
        91944 SEPD
        53430 SEPG
        84457 SEPN
    1302000 SEPARAT?
        (SEPARAT? OR SEP OR SEPD OR SEPG OR SEPN)
L35      2338 L23(8A) (REMOV? OR ELIMINAT? OR SEPARAT?)

TOTAL FOR ALL FILES
L36      30347 L24(8A) (REMOV? OR ELIMINAT? OR SEPARAT?)

=> s 112 and 136
FILE 'MEDLINE'
L37      46 L1 AND L25

FILE 'SCISEARCH'
L38      21 L2 AND L26

FILE 'LIFESCI'
L39      13 L3 AND L27

FILE 'BIOTECHDS'
L40      3 L4 AND L28

FILE 'BIOSIS'
L41      61 L5 AND L29

FILE 'EMBASE'
L42      68 L6 AND L30

FILE 'HCAPLUS'
L43      122 L7 AND L31

FILE 'NTIS'
L44      3 L8 AND L32

FILE 'ESBIOBASE'
L45      38 L9 AND L33

FILE 'BIOTECHNO'
L46      31 L10 AND L34

FILE 'WPIDS'
L47      5 L11 AND L35

TOTAL FOR ALL FILES
L48      411 L12 AND L36

=> s 148 not 2005-2009/py
FILE 'MEDLINE'
    3040028 2005-2009/PY

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L49 42 L37 NOT 2005-2009/PY

FILE 'SCISEARCH'
5667177 2005-2009/PY
(20050000-20099999/PY)

L50 18 L38 NOT 2005-2009/PY

FILE 'LIFESCI'
837150 2005-2009/PY

L51 12 L39 NOT 2005-2009/PY

FILE 'BIOTECHDS'
101260 2005-2009/PY

L52 2 L40 NOT 2005-2009/PY

FILE 'BIOSIS'
2637749 2005-2009/PY

L53 59 L41 NOT 2005-2009/PY

FILE 'EMBASE'
2564805 2005-2009/PY

L54 59 L42 NOT 2005-2009/PY

FILE 'HCAPLUS'
6293296 2005-2009/PY

L55 115 L43 NOT 2005-2009/PY

FILE 'NTIS'
72881 2005-2009/PY

L56 3 L44 NOT 2005-2009/PY

FILE 'ESBIOBASE'
1515516 2005-2009/PY

L57 33 L45 NOT 2005-2009/PY

FILE 'BIOTECHNO'
0 2005-2009/PY

L58 31 L46 NOT 2005-2009/PY

FILE 'WPIDS'
5641427 2005-2009/PY

L59 0 L47 NOT 2005-2009/PY

TOTAL FOR ALL FILES

L60 374 L48 NOT 2005-2009/PY

=> dup rem l60

PROCESSING COMPLETED FOR L60

L61 221 DUP REM L60 (153 DUPLICATES REMOVED)

=> d tot

L61 ANSWER 1 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN

TI The product and its production method of making dairy product fuse
(natural cheese and the like) with the boiled fish paste. [Machine
Translation].

SO Jpn. Kokai Tokkyo Koho, 3 pp.

CODEN: JKXXAF

IN Kikuchi, Shigeki

AN 2004:816754 HCAPLUS

PATENT NO.

KIND

DATE

APPLICATION NO.

DATE

PI JP 2004275022 A 20041007 JP 2003-67563 20030313
 L61 ANSWER 2 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN
 TI Combinatorial synthesis of amino acid- and peptide-carbohydrate conjugates on solid phase.
 SO Tetrahedron, (20 Sep 2004) Vol. 60, No. 39, pp. 8613-8626.
 Refs: 40
 ISSN: 0040-4020 CODEN: TETRAB
 AU Opatz, Till (correspondence); Kallus, Christopher; Wunberg, Tobias; Kunz, Horst
 AN 2004369465 EMBASE
 L61 ANSWER 3 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Glutathione content and adaptation to endogenously induced energy depletion in Mv1Lu cell
 SO Free Radical Biology & Medicine (2004), 36(12), 1555-1565
 CODEN: FRBMEH; ISSN: 0891-5849
 AU Boada, Jordi; Cuesta, Eduardo; Perales, Jose C.; Roig, Teresa; Bermudez, Jordi
 AN 2004:471725 HCAPLUS
 DN 141:68804
 L61 ANSWER 4 OF 221 MEDLINE on STN DUPLICATE 1
 TI Simultaneous yet independent regulation of actin cytoskeletal organization and translation initiation by glucose in *Saccharomyces cerevisiae*.
 SO Molecular biology of the cell, (2004 Apr) Vol. 15, No. 4, pp. 1544-56.
 Electronic Publication: 2004-01-23.
 Journal code: 9201390. ISSN: 1059-1524.
 Report No.: NLM-PMC379254.
 AU Uesono Yukifumi; Ashe Mark P; Toh-E Akio
 AN 2004144232 MEDLINE
 L61 ANSWER 5 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
 AN 2004087200 ESBIODBASE
 TI Simultaneous yet Independent Regulation of Actin Cytoskeletal Organization and Translation Initiation by Glucose in *Saccharomyces cerevisiae*
 AU Uesono, Yukifumi; Toh-E, Akio; Ashe, Mark P.
 CS Uesono, Yukifumi; Toh-E, Akio (Department of Biological Sciences, Graduate School of Science, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033 (JP)); Ashe, Mark P. (Department of Biomolecular Sciences, Univ. Manchester Inst. Sci./Technol., Manchester M60 1QD (GB))
 EMAIL: uesono@biol.s.u-tokyo.ac.jp
 SO Molecular Biology of the Cell (Apr 2004) Volume 15, Number 4, pp. 1544-1556, 58 refs.
 CODEN: MBCEEV ISSN: 1059-1524
 DOI: 10.1091/mbc.E03-12-0877
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 2 Feb 2009
 Last updated on STN: 2 Feb 2009
 L61 ANSWER 6 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
 AN 2004110734 ESBIODBASE
 TI Indiscriminate glycosylation of procarboxypeptidase Y expressed in *Pichia pastoris*

AU Maeda, Haruko; Chatani, Eri; Koyama, Takahiro; Sugiura, Masatoshi;
 Izumi, Hirohisa; Hayashi, Rikimaru
 CS Maeda, Haruko; Chatani, Eri; Koyama, Takahiro; Sugiura, Masatoshi;
 Izumi, Hirohisa; Hayashi, Rikimaru (Division of Applied Life Sciences,
 Graduate School of Agriculture, Kyoto University, Sakyo-ku, Kyoto
 606-8502 (JP))
 EMAIL: chatani@protein.osaka-u.ac.jp
 SO Carbohydrate Research (28 Apr 2004) Volume 339, Number 6, pp. 1041-1045,
 9 refs.
 CODEN: CRBRAT ISSN: 0008-6215
 DOI: 10.1016/j.carres.2004.02.003
 PUI S0008621504000667
 CY United Kingdom
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 2 Feb 2009
 Last updated on STN: 2 Feb 2009

L61 ANSWER 7 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights
 reserved on STN
 TI Transient glucose deprivation causes upregulation of heme oxygenase-1 and
 cyclooxygenase-2 expression in cardiac fibroblasts.
 SO Journal of Molecular and Cellular Cardiology, (Jun 2004) Vol. 36, No. 6,
 pp. 821-830.
 Refs: 44
 ISSN: 0022-2828 CODEN: JMCDAY
 AU Takeda, Kenji (correspondence); Lin, Jie; Okubo, Shinji; Akazawa-Kudoh,
 Sumiyo; Kajinami, Koji; Kanemitsu, Seiyu; Tsugawa, Hiroichi; Matsui,
 Shinobu; Takekoshi, Noboru; Kanda, Tsugiyasu
 AN 2004219062 EMBASE

L61 ANSWER 8 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on
 STN
 AN 2004295457 ESBIODASE
 TI The N-glycan glucosidase system in Trypanosoma brucei
 AU Jones, D.; Mehler, A.; Ferguson, M.A.J.
 CS Jones, D.; Mehler, A.; Ferguson, M.A.J. (School of Life Sciences,
 University of Dundee, Dundee DD1 5EH (GB)); Jones, D. (MAJF Group,
 Wallcome Trust Building, Dundee DD1 5EH (GB))
 EMAIL: d.c.jones@dundee.ac.uk
 SO Biochemical Society Transactions (Nov 2004) Volume 32, Number 5, pp.
 766-768, 11 refs.
 CODEN: BCSTB5 ISSN: 0300-5127
 DOI: 10.1042/BST0320766
 CY United Kingdom
 DT Journal; (Conference Paper)
 LA English
 SL English
 ED Entered STN: 2 Feb 2009
 Last updated on STN: 2 Feb 2009

L61 ANSWER 9 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights
 reserved on STN
 TI Fibronectin overexpression inhibits trabecular meshwork cell monolayer
 permeability.
 SO Molecular Vision, (7 Oct 2004) Vol. 10, pp. 750-757.
 Refs: 48
 ISSN: 1090-0535 E-ISSN: 1090-0535 CODEN: MVEPFB
 AU Li, An-Fei; Tane, Nobuhiro; Roy, Sayon (correspondence); Li, An-Fei; Li,
 An-Fei; Roy, Sayon (correspondence)
 AN 2005431294 EMBASE

L61 ANSWER 10 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN
 TI Convenient high yield and stereoselective synthesis of O-glycopeptides using N- α -Fmoc-Tyr/Ser[β -D-Glc(OAc)(4)]OPfp generated in solution.
 SO Tetrahedron Letters, (5 Jan 2004) Vol. 45, No. 2, pp. 355-358.
 Refs: 15
 ISSN: 0040-4039 CODEN: TELEAY
 AU Gangadhar, Beechanahalli P.; Balasubramaniam, Ambikaipakan (correspondence); Jois, Seetharama D.S.
 AN 2003514484 EMBASE

L61 ANSWER 11 OF 221 MEDLINE on STN DUPLICATE 2
 TI An integrative model of amino acid metabolism in the liver of the lactating dairy cow.
 SO Journal of theoretical biology, (2004 May 21) Vol. 228, No. 2, pp. 271-89. Journal code: 0376342. ISSN: 0022-5193.
 AU Hanigan M D; Crompton L A; Reynolds C K; Wray-Cahen D; Lomax M A; France J
 AN 2004197678 MEDLINE

L61 ANSWER 12 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
 AN 2004105156 ESBIODBASE
 TI An integrative model of amino acid metabolism in the liver of the lactating dairy cow
 AU Hanigan, M.D.; Crompton, L.A.; Reynolds, C.K.; Wray-Cahen, D.; Lomax, M.A.; France, J.
 CS Hanigan, M.D. (Purina Mills LLC, P.O. Box 66812, St. Louis, MO 63166-6812 (US)); Crompton, L.A. (Sch. of Agric., Plcy. and Devmt., University of Reading, Whiteknights, Reading, Berkshire RG6 6AR (GB)); Reynolds, C.K. (Department of Animal Sciences, Ohio State University, OARDC, 1680 Madison Avenue, Wooster, OH 44691-4076 (US)); Wray-Cahen, D. (Ctr. Devices and Radiological Hlth., Food and Drug Administration, OST DLS/HSB, 8401 Muirkirk Road, Laurel, MD 20708 (US)); Lomax, M.A. (Department of Agricultural Sciences, Imperial College London, Wye Campus, Ashford, Kent TN25 5AH (GB)); France, J. (Dept. of Animal and Poultry Science, University of Guelph, 50 Gordon Street, Guelph, Ont. N1G 2W1 (CA))
 EMAIL: jfrance@uoguelph.ca
 SO Journal of Theoretical Biology (21 May 2004) Volume 228, Number 2, pp. 271-289, 63 refs.
 CODEN: JTBIAP ISSN: 0022-5193
 DOI: 10.1016/j.jtbi.2004.01.010
 PUI S0022519304000311
 CY United Kingdom
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 2 Feb 2009
 Last updated on STN: 2 Feb 2009

L61 ANSWER 13 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI TPCK induces apoptosis in human acute myeloid leukemia U-937 cells.
 SO Blood, (NOV 16 2004) Vol. 104, No. 11, Part 2, pp. 202B.
 Meeting Info.: 46th Annual Meeting of the American-Society-of-Hematology. San Diego, CA, USA. December 04 -07, 2004. Amer Soc Hematol.
 CODEN: BLOOAW. ISSN: 0006-4971.
 AU Mazar, Julia [Reprint Author]; Lichtenstein, Alexandra; Katz, Leora; Shpilberg, Ofer; Levi, Itai; Nathan, Ilana
 AN 2005:480544 BIOSIS

L61 ANSWER 14 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Manufacturing method and product of purple juice [Machine Translation].
 SO Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 IN Kainou, Kohei; Amasaki, Kazuo; Inoue, Takiiji
 AN 2003:747533 HCAPLUS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003265149	A	20030924	JP 2002-77373	20020319

L61 ANSWER 15 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Purifying method and purifier of water. [Machine Translation].
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 IN Abe, Toshihiko
 AN 2003:227713 HCAPLUS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003088854	A	20030325	JP 2001-285354	20010919

L61 ANSWER 16 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
 AN 2003296369 ESBIOBASE
 TI Evidence of regio-specific glycosylation in human intestinal mucins: Presence of an acidic gradient along the intestinal tract
 AU Robbe, Catherine; Capon, Calliope; Maes, Emmanuel; Zanetta, Jean-Pierre; Michalski, Jean-Claude; Rousset, Monique; Zweibaum, Alain
 CS Robbe, Catherine; Capon, Calliope; Maes, Emmanuel; Zanetta, Jean-Pierre; Michalski, Jean-Claude (U. de Glycobiol. Struct. et Fonct., IFR 118, Univ. des Sci. et Technol. de Lille, 59655 Villeneuve d'Ascq Cedex (FR)); Capon, Calliope (Laboratoire de Biochimie, Fac. Sci. Pharmaceut./Biol. Lille 2, 59006 Lille Cedex (FR)); Rousset, Monique; Zweibaum, Alain (UMR INSERM U505/UPMC, Institut Biomedical des Cordeliers, 15 rue de l'Ecole de Medecine, 75006 Paris (FR))
 EMAIL: Jean-Claude.Michalski@univ-lille1.fr
 SO Journal of Biological Chemistry (21 Nov 2003) Volume 278, Number 47, pp. 46337-46348, 63 refs.
 CODEN: JBCHA3 ISSN: 0021-9258
 DOI: 10.1074/jbc.M302529200
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 2 Feb 2009
 Last updated on STN: 2 Feb 2009

L61 ANSWER 17 OF 221 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation on STN
 TI Effects of casein and glucose on responses of cows fed diets based on restrictively fermented grass silage
 SO JOURNAL OF DAIRY SCIENCE, (OCT 2003) Vol. 86, No. 10, pp. 3260-3270.
 ISSN: 0022-0302.
 AU Vanhatalo A (Reprint); Varvikko T; Huhtanen P
 AN 2003:864391 SCISEARCH

L61 ANSWER 18 OF 221 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
 TI Novel heparan mimetics potently inhibit the scrapie prion protein and its endocytosis
 SO Biochemical and Biophysical Research Communications, (12 DEC 2003), 312/2 (473-479), 40 reference(s)

CODEN: BBRCA0 ISSN: 0006-291X

AU Schonberger O.; Horonchik L.; Gabizon R.; Papy-Garcia D.; Barritault D.; Taraboulos A.

AN 2003:37445196 BIOTECHNO

L61 ANSWER 19 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

TI HIGH GLUCOSE - INDUCED FIBRONECTIN OVEREXPRESSION INHIBITS TRABECULAR MESHWORK CELL PERMEABILITY.

SO ARVO Annual Meeting Abstract Search and Program Planner, (2003) Vol. 2003, pp. Abstract No. 1151. cd-rom.
Meeting Info.: Annual Meeting of the Association for Research in Vision and Ophthalmology. Fort Lauderdale, FL, USA. May 04-08, 2003. Association for Research in Vision and Ophthalmology.

AU Li, A. -F. [Reprint Author]; Chen, A. [Reprint Author]; Roy, S. [Reprint Author]

AN 2003:529111 BIOSIS

L61 ANSWER 20 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 2003026831 ESBIODBASE

TI High glucose and insulin promote O-GlcNAc modification of proteins, including α -tubulin

AU Walgren, Jennie L. E.; Buse, Maria G.; Schey, Kevin L.; Vincent, Timothy S.

CS Walgren, Jennie L. E.; Buse, Maria G. (Division of Endocrinology, Diabetes and Medical Genetics, Department of Medicine, Charleston, SC 29425 (US)); Walgren, Jennie L. E.; Schey, Kevin L. (Department of Pharmacology, Medical University of South Carolina, Charleston, SC 29425 (US)); Buse, Maria G. (Department of Biochemistry, Medical University of South Carolina, Charleston, SC 29425 (US)); Buse, Maria G. (Division of Endocrinology, MUSC Dept. of Medicine, 96 J. L. St., Charleston, SC 29425 (US)); Vincent, Timothy S. (Department of Pathology, Medical University of South Carolina, Charleston, SC 29425 (US))
EMAIL: buseng@musc.edu

SO American Journal of Physiology - Endocrinology and Metabolism (1 Feb 2003) Volume 284, Number 2 47-2, 66 refs.
CODEN: AJPM9 ISSN: 0193-1849

CY United States of America

DT Journal; Article

LA English

SL English

ED Entered STN: 2 Feb 2009
Last updated on STN: 2 Feb 2009

L61 ANSWER 21 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN

TI Periplasmic maltose- and glucose-binding protein activities in cell-free extracts of *Thermotoga maritima*

SO Microbiology (Reading, United Kingdom) (2002), 148(11), 3531-3537
CODEN: MROBEO; ISSN: 1350-0872

AU Nanavati, Dhaval; Noll, Kenneth M.; Romano, Antonio H.

AN 2002:923755 HCAPLUS

DN 138:201430

L61 ANSWER 22 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN

TI Glycosaminoglycans and the peritoneum.

SO Nephrology, (2002) Vol. 7, No. 5, pp. 211-215.
Refs: 38
ISSN: 1320-5358 CODEN: NEPHF2

AU Yung, Susan, Dr. (correspondence); Chan, Tak-Mao

AN 2002328002 EMBASE

L61 ANSWER 23 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
 STN
 TI Glucose regulates PEPCK gene transcription through translational control
 of transcription factors C/EBPs.
 SO FASEB Journal, (March 20, 2002) Vol. 16, No. 4, pp. A145. print.
 Meeting Info.: Annual Meeting of the Professional Research Scientists on
 Experimental Biology. New Orleans, Louisiana, USA. April 20-24, 2002.
 CODEN: FAJOEC. ISSN: 0892-6638.
 AU Yang, Jianqi [Reprint author]; Croniger, Colleen M. [Reprint author];
 Kimura, Teiko [Reprint author]; Accili, Domenico; Hanson, Richard W.
 [Reprint author]
 AN 2002:323127 BIOSIS

L61 ANSWER 24 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
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 AN 2003279244 ESBIOBASE
 TI Regulation of Snf1 Kinase. Activation requires phosphorylation of
 threonine 210 by an upstream kinase as well as a distinct step mediated
 by the Snf4 subunit
 AU McCartney, Rhonda R.; Schmidt, Martin C.
 CS McCartney, Rhonda R.; Schmidt, Martin C. (Dept. of Molec. Genet. and
 Biochem., Univ. of Pittsburgh Sch. of Medicine, Pittsburgh, PA 15261
 (US))
 EMAIL: mcs2@pitt.edu
 SO Journal of Biological Chemistry (28 Sep 2001) Volume 276, Number 39, pp.
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 CODEN: JBCHA3 ISSN: 0021-9258
 DOI: 10.1074/jbc.M104418200
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 2 Feb 2009
 Last updated on STN: 2 Feb 2009

L61 ANSWER 25 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
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 effects of the P/O ratio
 SO Recombinant Protein Production with Prokaryotic and Eukaryotic Cells: A
 Comparative View on Host Physiology, Selected Articles from the Meeting of
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 DN 138:286111

L61 ANSWER 26 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
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 celS, from the extremely thermophilic archaeon Sulfolobus solfataricus
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L61 ANSWER 28 OF 221 MEDLINE on STN

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 sulfate during recycling of glypican-1 in vascular endothelial cells.

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 Journal code: 9104124. ISSN: 0959-6658.

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 ISSN: 0006-291X CODEN: BBRC9

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 (correspondence); De la Cruz, L.F.; Dieguez, C.; Casabiell, X.
 (correspondence)

AN 2000355325 EMBASE

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 the macroautophagic sequestration of N-linked glycoproteins.

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 Cluzeaud, Francoise; Vandewalle, Alain; Codogno, Patrice (correspondence)

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AN 2000121744 MEDLINE

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AN 2000028808 EMBASE

TI Multiple stress responses in Streptococcus mutans and the induction of
 general and stress-specific proteins

AU Svensater, Gunnel; Sjogreen, Bodil; Hamilton, Ian R.

CS Svensater, Gunnel; Sjogreen, Bodil (Department of Oral Microbiology,
 Malmo University, S-21421 Malmo (SE)); Hamilton, Ian R. (Department of
 Oral Biology, University of Manitoba, 780 Bannatyne Ave, Winnipeg, Man.
 R3E 0W2 (CA))
 EMAIL: ihamilt@cc.umanitoba.ca

SO Microbiology (Jan 2000) Volume 146, Number 1, pp. 107-117, 41 refs.
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CY United Kingdom

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L61 ANSWER 33 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN DUPLICATE 6
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ISSN: 0099-2240 CODEN: AEMIDF
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L61 ANSWER 34 OF 221 MEDLINE on STN
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Journal code: 0107600. ISSN: 0014-2956.
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AU Moses, Jonatan; Oldberg, Ake; Fransson, Lars-Ake
CS Moses, Jonatan (Dept. of Cell and Molecular Biology, PO Box 94, S-221 00 Lund (SE)); Oldberg, Ake; Fransson, Lars-Ake
EMAIL: jonatan.moses@medkem.lu.se
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CODEN: EJBCAI ISSN: 0014-2956
DOI: 10.1046/j.1432-1327.1999.00228.x
CY United Kingdom
DT Journal; Article
LA English
SL English
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L61 ANSWER 36 OF 221 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation on STN
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SO INTERNATIONAL REVIEW OF HYDROBIOLOGY, (1999) Vol. 84, No. 6, pp. 567-577.
ISSN: 1434-2944.
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AN 2000:17440 SCISEARCH

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TI Importance of glycosidases in mammalian glycoprotein biosynthesis.

SO Biochimica et Biophysica Acta - General Subjects, (17 Dec 1999) Vol. 1473,
No. 1, pp. 96-107.
Refs: 107
ISSN: 0304-4165 CODEN: BBGSB3

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L61 ANSWER 38 OF 221 MEDLINE on STN DUPLICATE 8
TI The molecular chaperone calnexin interacts with the NSP4 enterotoxin of
rotavirus in vivo and in vitro.
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Journal code: 0113724. ISSN: 0022-538X.
Report No.: NLM-PMC110284.
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AN 1998440531 MEDLINE

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on STN
AN 1998238166 ESBIODBASE
TI The molecular chaperone calnexin interacts with the NSP4 enterotoxin of
rotavirus in vivo and in vitro
AU Mirazimi, Ali; Nilsson, Mikael; Svensson, Lennart
CS Mirazimi, Ali; Nilsson, Mikael; Svensson, Lennart (Department of
Virology, SMI, Karolinska Institute, 105 21 Stockholm (SE))
EMAIL: Lensve@mbbox.ki.se
SO Journal of Virology (Nov 1998) Volume 72, Number 11, pp. 8705-8709, 45
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CODEN: JOVIAM ISSN: 0022-538X
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 31 Jan 2009
Last updated on STN: 31 Jan 2009

L61 ANSWER 40 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1998260265 ESBIODBASE
TI Intercellular differences in interleukin 1 β -induced suppression of
insulin synthesis and stimulation of noninsulin protein
synthesis by rat pancreatic β -cells
AU Ling, Zhidong; Chen, Meng-Chi; Smismans, Annick; Pavlovic, Dejan;
Schuit, Frans; Eizirik, Decio L.; Pipeleers, Daniel G.
CS Ling, Zhidong; Chen, Meng-Chi; Smismans, Annick; Pavlovic, Dejan;
Schuit, Frans; Eizirik, Decio L.; Pipeleers, Daniel G. (Diabetes
Research Center, Faculty of Medicine, Vrije Universiteit Brussel,
Brussels, B-1090 (BE)); Smismans, Annick (Belg. Natl. Fund for Sci.
Research); Pipeleers, Daniel G. (Dept. of Metab. and Endocrinology,
Vrije Universiteit Brussel, Laarbeeklaan 103, B-1090 Brussels (BE))
SO Endocrinology (1998) Volume 139, Number 4, pp. 1540-1545, 21 refs.
CODEN: ENDOAO ISSN: 0013-7227
CY United States of America
DT Journal; Article
LA English
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L61 ANSWER 41 OF 221 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
TI Intercellular differences in interleukin 1 β -induced suppression of
insulin synthesis and stimulation of noninsulin protein
synthesis by rat pancreatic β -cells

SO Endocrinology, (1998), 139/4 (1540-1545), 21 reference(s)
 CODEN: ENDOAO ISSN: 0013-7227

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 Pipeleers D.G.

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L61 ANSWER 42 OF 221 MEDLINE on STN DUPLICATE 9

TI Dissociation of early glucocorticoid inhibition of ACTH secretion and
 glucose uptake in mouse AtT20 D16:16 corticotrophs.

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 Journal code: 8913461. ISSN: 0953-8194.

AU Booth C; Tian L; Shipston M J

AN 1998351633 MEDLINE

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AN 1998153273 ESBIOBASE

TI Dissociation of early glucocorticoid inhibition of ACTH secretion and
 glucose uptake in mouse AtT20 D16:16 corticotrophs

AU Booth, Chloe; Tian, Lijun; Shipston, Michael J.

CS Booth, Chloe; Tian, Lijun; Shipston, Michael J. (Membrane Biology Group,
 Medical School, University of Edinburgh, Edinburgh (GB))

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 CODEN: JOUNE2 ISSN: 0953-8194
 DOI: 10.1046/j.1365-2826.1998.00226.x

CY United Kingdom

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SL English

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TI Peptone changes the timing and accumulation of morphological mutants of
 the Quorn(®) myco-protein fungus Fusarium graminearum A3/5 in
 glucose-limited chemostat cultures.

SO FEMS Microbiology Letters, (1 Dec 1998) Vol. 169, No. 1, pp. 23-28.
 Refs: 19
 ISSN: 0378-1097 CODEN: FMLED7

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 P.J.; Wiebe, Marilyn G. (correspondence)

AN 1998400471 EMBASE

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AN 1997201940 ESBIOBASE

TI Glucose-6-P control of glycogen synthase phosphorylation in yeast

AU Huang, Dongqing; Wilson, Wayne A.; Roach, Peter J.

CS Huang, Dongqing; Wilson, Wayne A.; Roach, Peter J. (Dept. of Biochem.
 and Molec. Biology, Indiana University, School of Medicine,
 Indianapolis, IN 46202-5122 (US))
 EMAIL: peter_roach@iucc.iupui.edu

SO Journal of Biological Chemistry (5 Sep 1997) Volume 272, Number 36, pp.
 22495-22501, 37 refs.
 CODEN: JBCHA3 ISSN: 0021-9258
 DOI: 10.1074/jbc.272.36.22495

CY United States of America

DT Journal; Article

LA English

SL English

ED Entered STN: 31 Jan 2009
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L61 ANSWER 46 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1997101119 ESBIOBASE
TI Leptin impairs metabolic actions of insulin in isolated rat adipocytes
AU Muller, Gunter; Ertl, Johann; Gerl, Martin; Preibisch, Gerald
CS Muller, Gunter; Ertl, Johann; Gerl, Martin; Preibisch, Gerald (Hoechst
AG, HMR, Research Area Frankfurt, D-65926 Frankfurt (DE)); Muller,
Gunter (Hoechst AG, HMR, TA Metabolic Diseases, Research Area Frankfurt,
D-65926 Frankfurt A.M. (DE))
SO Journal of Biological Chemistry (18 Apr 1997) Volume 272, Number 16, pp.
10585-10593, 49 refs.
CODEN: JBCHA3 ISSN: 0021-9258
DOI: 10.1074/jbc.272.16.10585
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 31 Jan 2009
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L61 ANSWER 47 OF 221 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
TI Leptin impairs metabolic actions of insulin in isolated rat adipocytes
SO Journal of Biological Chemistry, (1997), 272/16 (10585-10593), 49
reference(s)
CODEN: JBCHA3 ISSN: 0021-9258
AU Muller G.; Ertl J.; Gerl M.; Preibisch G.
AN 1997:27181066 BIOTECHNO

L61 ANSWER 48 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1997043922 ESBIOBASE
TI Reglucosylation of N-linked glycans is critical for calnexin assembly
with T cell receptor (TCR) α proteins but not TCR β proteins
AU Van Leeuwen, Jeroen E. M.; Kearse, Kelly P.
CS Van Leeuwen, Jeroen E. M.; Kearse, Kelly P. (Experimental Immunology
Branch, NCI, National Institutes of Health, Bethesda, MD 20892-1360
(US)); Kearse, Kelly P. (Dept. of Microbiology, School of Medicine, East
Carolina University, Greenville, NC 27858 (US))
SO Journal of Biological Chemistry (1997) Volume 272, Number 7, pp.
4179-4186, 47 refs.
CODEN: JBCHA3 ISSN: 0021-9258
DOI: 10.1074/jbc.272.7.4179
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 31 Jan 2009
Last updated on STN: 31 Jan 2009

L61 ANSWER 49 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights
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TI Site-directed deletion of a 10-nucleotide domain of the 3'-untranslated
region of the GLUT1 glucose transporter mRNA eliminates
cytosolic protein binding in human brain tumors and induction of reporter
gene expression.
SO Journal of Neurochemistry, (Jun 1997) Vol. 68, No. 6, pp. 2587-2592.
Refs: 26
ISSN: 0022-3042 CODEN: JONRA9
AU Tsukamoto, Haruhisa; Boado, Ruben J.; Pardridge, William M., Dr.

(correspondence); Pardridge, William M., Dr. (correspondence)
AN 1997155964 EMBASE

L61 ANSWER 50 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1998006189 ESBIOBASE
TI Hepatic response to increased exogenous supply of plasma amino acids by
infusion into the mesenteric vein of Holstein-Friesian cows in late
gestation
AU Wray-Cahen, B.Y.D.; Metcalf, J.A.; Sutton, J.D.; Backwell, F.R.C.;
Bequette, B.J.; Brown, D.S.; Lobley, G.E.
CS Wray-Cahen, B.Y.D.; Metcalf, J.A.; Sutton, J.D. (AFRC IGER, Hurley,
Maidenhead SL6 5LR (GB)); Wray-Cahen, B.Y.D. (USDA, Beltsville, MD 20705
(US)); Metcalf, J.A. (ADAS Bridgets, Winchester SO21 1AP (GB));
Backwell, F.R.C.; Bequette, B.J.; Brown, D.S.; Lobley, G.E. (Rowett
Research Institute, Bucksburn, Aberdeen AB21 9SB (GB))
SO British Journal of Nutrition (Dec 1997) Volume 78, Number 6, pp.
913-930, 33 refs.
CODEN: BJNUAV ISSN: 0007-1145
DOI: 10.1079/BJN19970209
CY United Kingdom
DT Journal; Article
LA English
SL English
ED Entered STN: 31 Jan 2009
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L61 ANSWER 51 OF 221 MEDLINE on STN DUPLICATE 12
TI A gene encoding an exo-beta-glucosidase from Cellvibrio mixtus.
SO Current microbiology, (1997 Oct) Vol. 35, No. 4, pp. 228-32.
Journal code: 7808448. ISSN: 0343-8651.
AU Sakellaris H; Manners J M; Pemberton J M
AN 1997435245 MEDLINE

L61 ANSWER 52 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1997215509 ESBIOBASE
TI A gene encoding an exo- β -glucosidase from Cellvibrio mixtus
AU Sakellaris, Harry; Pemberton, John M.; Manners, John M.
CS Sakellaris, Harry; Pemberton, John M. (Department of Microbiology,
University of Queensland, Brisbane, QLD 4072 (AU)); Sakellaris, Harry
(Dept. of Microbiology and Immunology, Emory University, School of
Medicine, Atlanta, GA 30322 (US)); Manners, John M. (Coop. Res. Ctr.
Trop. Plant Pathol., University of Queensland, Brisbane, QLD 4072 (AU))
SO Current Microbiology (Oct 1997) Volume 35, Number 4, pp. 228-232, 22
refs.
CODEN: CUMIDD ISSN: 0343-8651
DOI: 10.1007/s002849900243
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 31 Jan 2009
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L61 ANSWER 53 OF 221 MEDLINE on STN DUPLICATE 13
TI Energy turnover of vascular endothelial cells.
SO The American journal of physiology, (1997 Jul) Vol. 273, No. 1 Pt 1, pp.
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Journal code: 0370511. ISSN: 0002-9513.
AU Culic O; Gruwel M L; Schrader J
AN 1997396267 MEDLINE

L61 ANSWER 54 OF 221 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
 TI Inducing single-cell suspension of BTI-TN5B1-4 insect cells: I. The use
 of sulfated polyanions to prevent cell aggregation and enhance
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 SO Biotechnology and Bioengineering, (1997), 54/3 (191-205), 42 reference(s)
 CODEN: BIBIAU ISSN: 0006-3592
 AU Dee K.U.; Shuler M.L.; Wood H.A.
 AN 1997:27175110 BIOTECHNO

L61 ANSWER 55 OF 221 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation
 on STN DUPLICATE 14
 TI Glucose transport in immortalized rat brain capillary endothelial cells in
 vitro: Transport activity and GLUT1 expression
 SO BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS, (17 APR 1997) Vol. 1335,
 No. 1-2, pp. 135-143.
 ISSN: 0304-4165.
 AU Regina A (Reprint); Roux F; Revest P A
 AN 1997:328400 SCISEARCH

L61 ANSWER 56 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1997098410 ESBIODBASE
 TI Glucose transport in immortalized rat brain capillary endothelial cells
 in vitro: Transport activity and GLUT1 expression
 AU Regina, A.; Roux, F.; Revest, P.A.
 CS Regina, A.; Roux, F. (Hopital Fernand Widai, 200 rue du Faubourg Saint
 Denis, 75010 Paris (FR)); Revest, P.A. (Physiology Department, Basic
 Medical Sciences, Queen Mary and Westfield College, Mile End Road,
 London E1 4NS (GB))
 SO Biochimica et Biophysica Acta - General Subjects (17 Apr 1997) Volume
 1335, Number 1-2, pp. 135-143, 23 refs.
 CODEN: BBGSB3 ISSN: 0304-4165
 DOI: 10.1016/S0304-4165(96)00131-6
 PUI S0304416596001316
 CY Netherlands
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 31 Jan 2009
 Last updated on STN: 31 Jan 2009

L61 ANSWER 57 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1997098403 ESBIODBASE
 TI Effect of L-fucose and D-glucose concentration on L-fucoprotein
 metabolism in human Hep G2 cells and changes in fucosyltransferase and
 α -L-fucosidase activity in liver of diabetic rats
 AU Wiese, Thomas J.; Dunlap, Joyce A.; Yorek, Mark A.
 CS Wiese, Thomas J.; Dunlap, Joyce A.; Yorek, Mark A. (Department of
 Internal Medicine, Diabet.-Endocrinol. Research Center, University of
 Iowa, Iowa City, IA 52246 (US))
 EMAIL: myorek@uiowa.edu
 SO Biochimica et Biophysica Acta - General Subjects (17 Apr 1997) Volume
 1335, Number 1-2, pp. 61-72, 38 refs.
 CODEN: BBGSB3 ISSN: 0304-4165
 DOI: 10.1016/S0304-4165(96)00123-7
 PUI S0304416596001237
 CY Netherlands
 DT Journal; Article
 LA English
 SL English

ED Entered STN: 31 Jan 2009
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TI Energy turnover of vascular endothelial cells.
SO American Journal of Physiology - Cell Physiology, (Jul 1997) Vol. 273, No. 1 42-1, pp. C205-C213.
Refs: 36
ISSN: 0363-6143 CODEN: AJPCDD
AU Culic, Ognjen (correspondence); Gruwel, Marco L. H.; Schrader, Jurgen; Culic, Ognjen (correspondence); Culic, Ognjen (correspondence)
AN 1997247366 EMBASE

L61 ANSWER 59 OF 221 MEDLINE on STN DUPLICATE 16
TI Identification of O-linked N-acetylglucosamine modification of ankyrinG isoforms targeted to nodes of Ranvier.
SO The Journal of biological chemistry, (1996 Dec 6) Vol. 271, No. 49, pp. 31391-8.
Journal code: 2985121R. ISSN: 0021-9258.
AU Zhang X; Bennett V
AN 1997094914 MEDLINE

L61 ANSWER 60 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 1996187432 ESBIODBASE
TI Identification of O-linked N-acetylglucosamine modification of ankyrin(G) isoforms targeted to nodes of Ranvier
AU Zhang, Xu; Bennett, Vann
CS Zhang, Xu; Bennett, Vann (Department of Cell Biology, Howard Hughes Medical Institute, Duke University Medical Center, Durham, NC 27710 (US))
SO Journal of Biological Chemistry (1996) Volume 271, Number 49, pp. 31391-31398, 40 refs.
CODEN: JBCHA3 ISSN: 0021-9258
DOI: 10.1074/jbc.271.49.31391
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 30 Jan 2009
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L61 ANSWER 61 OF 221 MEDLINE on STN DUPLICATE 17
TI Prolonged exposure of human beta cells to elevated glucose levels results in sustained cellular activation leading to a loss of glucose regulation.
SO The Journal of clinical investigation, (1996 Dec 15) Vol. 98, No. 12, pp. 2805-12.
Journal code: 7802877. ISSN: 0021-9738.
Report No.: NLM-PMC507747.
AU Ling Z; Pipeleers D G
AN 1997136527 MEDLINE

L61 ANSWER 62 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 1997003141 ESBIODBASE
TI Prolonged exposure of human β cells to elevated glucose levels results in sustained cellular activation leading to a loss of glucose regulation
AU Ling, Zhidong; Pipeleers, Daniel G.
CS Ling, Zhidong; Pipeleers, Daniel G. (Diabetes Research Center, Vrije Universiteit Brussel, B-1090 Brussels (BE))

EMAIL: dpip@mebo.vub.ac.be
 SO Journal of Clinical Investigation (15 Dec 1996) Volume 98, Number 12,
 pp. 2805-2812, 34 refs.
 CODEN: JCINAO ISSN: 0021-9738
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 31 Jan 2009
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L61 ANSWER 63 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1997009302 ESBIOBASE
 TI Glucose repression/derepression in budding yeast: SNF1 protein kinase is
 activated by phosphorylation under derepressing conditions, and this
 correlates with a high AMP:ATP ratio
 AU Wilson, Wayne A.; Hawley, Simon A.; Hardie, D. Grahame
 CS Wilson, Wayne A.; Hawley, Simon A.; Hardie, D. Grahame (Biochemistry
 Department, The University, Dundee DD1 4HN (GB)); Wilson, Wayne A.
 (Dept. of Biochem. and Molec. Biology, Indiana University, School of
 Medicine, Indianapolis, IN 46202 (US))
 EMAIL: d.g.hardie@dundee.ac.uk
 SO Current Biology (Nov 1996) Volume 6, Number 11, pp. 1426-1434, 43 refs.
 CODEN: CUBLE2 ISSN: 0960-9822
 CY United Kingdom
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 31 Jan 2009
 Last updated on STN: 31 Jan 2009

L61 ANSWER 64 OF 221 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
 TI Influence of environmental factors on endo- β -1,4-glucanase
 production by Bacillus HR68, isolated from a Zimbabwean hot spring
 SO Antonie van Leeuwenhoek, International Journal of General and Molecular
 Microbiology, (1996), 69/4 (363-369)
 CODEN: ALJMAO ISSN: 0003-6072
 AU Mawadza C.; Boogerd F.C.; Zvauya R.; Van Verseveld H.W.
 AN 1996:26235909 BIOTECHNO

L61 ANSWER 65 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1996143633 ESBIOBASE
 TI Eliminating monosaccharide peak tailing in high pH
 anion-exchange chromatography with pulsed amperometric detection
 AU Weitzhandler, Michael; Slingsby, Rosanne; Jagodzinski, Jacek; Pohl,
 Christopher; Narayanan, Latha; Avdalovic, Nebojsa
 CS Weitzhandler, Michael; Slingsby, Rosanne; Jagodzinski, Jacek; Pohl,
 Christopher; Narayanan, Latha; Avdalovic, Nebojsa (Dionex Corporation,
 445 Lakeside Drive, Sunnyvale, CA 94086 (US))
 EMAIL: Mike_Weitzhandler@dionex.com
 SO Analytical Biochemistry (1 Oct 1996) Volume 241, Number 1, pp. 135-136,
 1 refs.
 CODEN: ANBCA2 ISSN: 0003-2697
 DOI: 10.1006/abio.1996.0387
 CY United States of America
 DT Journal; Article
 LA English
 ED Entered STN: 30 Jan 2009
 Last updated on STN: 30 Jan 2009

L61 ANSWER 66 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1996143632 ESBIODBASE
 TI Eliminating amino acid and peptide interference in high-performance
 anion-exchange pulsed amperometric detection glycoprotein monosaccharide
 analysis
 AU Weitzhandler, Michael; Pohl, Christopher; Rohrer, Jeffrey; Narayanan,
 Latha; Slingsby, Rosanne; Avdalovic, Nebojsa
 CS Weitzhandler, Michael; Pohl, Christopher; Rohrer, Jeffrey; Narayanan,
 Latha; Slingsby, Rosanne; Avdalovic, Nebojsa (Dionex Corporation, 445
 Lakeside Drive, Sunnyvale, CA 94086 (US))
 EMAIL: Mike_Weitzhandler@Dionex.com
 SO Analytical Biochemistry (1 Oct 1996) Volume 241, Number 1, pp. 128-134,
 7 refs.
 CODEN: ANBCA2 ISSN: 0003-2697
 DOI: 10.1006/abio.1996.0386
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 30 Jan 2009
 Last updated on STN: 30 Jan 2009

L61 ANSWER 67 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1996006208 ESBIODBASE
 TI Purification and characterization of a novel xylulose 5-phosphate-
 activated protein phosphatase catalyzing dephosphorylation of
 fructose-6- phosphate, 2-kinase:fructose-2,6-bisphosphatase
 AU Nishimura, M.; Uyeda, K.
 CS Nishimura, M.; Uyeda, K. (Dept. of Veterans Affairs Med. Ctr., 4500 S.
 Lancaster Rd., Dallas, TX 75216 (US))
 SO Journal of Biological Chemistry (1995) Volume 270, Number 44, pp.
 26341-26346
 CODEN: JBCHA3 ISSN: 0021-9258
 DOI: 10.1074/jbc.270.44.26341
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 30 Jan 2009
 Last updated on STN: 30 Jan 2009

L61 ANSWER 68 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 1995050053 ESBIODBASE
 TI Vanadate treatment rapidly improves glucose transport and activates
 6-phosphofructo-1-kinase in diabetic rat intestine
 AU Madsen, K.L.; Ariano, D.; Fedorak, R.N.
 CS Madsen, K.L.; Ariano, D.; Fedorak, R.N. (Division of Gastroenterology,
 Department of Medicine, University of Alberta, Edmonton, Alta. (CA));
 Madsen, K.L. (Division of Gastroenterology, 519 Robert Newton Building,
 University of Alberta, Edmonton, Alta. T6G 2C2 (CA))
 SO Diabetologia (Apr 1995) Volume 38, Number 4, pp. 403-412, 43 refs.
 CODEN: DBTGAI ISSN: 0012-186X
 DOI: 10.1007/s001250050299
 CY Germany
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 30 Jan 2009
 Last updated on STN: 30 Jan 2009

L61 ANSWER 69 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1995018514 ESBIOBASE
TI Glycosylation, dimerization, and heparin affinity of lipoprotein lipase
in 3T3-L1 adipocytes
AU Park, J.-W.; Oh, M.-S.; Yang, J.-Y.; Park, B.-H.; Rho, H.-W.; Lim,
S.-N.; Jhee, E.-C.; Kim, H.-R.
CS Park, J.-W.; Oh, M.-S.; Yang, J.-Y.; Park, B.-H.; Rho, H.-W.; Lim,
S.-N.; Jhee, E.-C.; Kim, H.-R. (Department of Biochemistry, Chonbuk
National University, Medical School, Chonju 560-182 (KR))
SO Biochimica et Biophysica Acta - Lipids and Lipid Metabolism (1995)
Volume 1254, Number 1, pp. 45-50
CODEN: BBLA6 ISSN: 0005-2760
DOI: 10.1016/0005-2760(94)00161-Q
CY Netherlands
DT Journal; Article
LA English
SL English
ED Entered STN: 30 Jan 2009
Last updated on STN: 30 Jan 2009

L61 ANSWER 70 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Fungal promoters active in the presence of glucose
SO PCT Int. Appl., 121 pp.
CODEN: PIXXD2
IN Nakari, Tiina Hannele; Onnela, Maija-Ieena; Ilmen, Marja Hannele;
Nevalainen, Kaisu Milja Helena; Penttila, Merja Elisa
AN 1994:475333 HCAPLUS
DN 121:75333
OREF 121:13368a

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9404673	A1	19940303	WO 1993-FI330	19930819
	W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, VN				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9347121	A	19940315	AU 1993-47121	19930819
	EP 656943	A1	19950614	EP 1993-917824	19930819
	R: AT, BE, CH, DE, DK, ES, FR, GB, IE, IT, LI, NL, SE				
	JP 08500733	T	19960130	JP 1993-505947	19930819
	US 5989870	A	19991123	US 1995-389564	19950216
	FI 9500779	A	19950413	FI 1995-779	19950220
	US 6011147	A	20000104	US 1995-466047	19950606

L61 ANSWER 71 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1995005983 ESBIOBASE
TI Purification to homogeneity of UDP-glucose:glycoprotein
glucosyltransferase from Schizosaccharomyces pombe and apparent absence
of the enzyme from Saccharomyces cerevisiae
AU Fernandez, Fabiana S.; Trombetta, Sergio E.; Parodi, Armando J.;
Hellman, Ulf
CS Fernandez, Fabiana S.; Trombetta, Sergio E.; Parodi, Armando J. (Inst.
Invest. Bioquimicas Fund. C., Antonio Machado 151, 1405 Buenos Aires
(AR)); Fernandez, Fabiana S.; Parodi, Armando J. (National Research
Council, (AR)); Hellman, Ulf (Ludwig Institute for Cancer Research,
Uppsala Branch, Box 595, S-751 24 Uppsala (SE))
SO Journal of Biological Chemistry (2 Dec 1994) Volume 269, Number 48, pp.
30701-30706, 28 refs.

CODEN: JBCHA3 ISSN: 0021-9258
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 30 Jan 2009
Last updated on STN: 30 Jan 2009

L61 ANSWER 72 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN DUPLICATE 18
TI The rabbit kidney tubule utilizes glucose for glutamine synthesis. A (13)C NMR study.
SO Journal of Biological Chemistry, (1994) Vol. 269, No. 42, pp. 26025-26033. ISSN: 0021-9258 CODEN: JBCHA3
AU Chauvin, M.-F.; Megnin-Chanet, F.; Martin, G. (correspondence); Lhoste, J.-M.; Baverel, G.
AN 1994327948 EMBASE

L61 ANSWER 73 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 1994088238 ESBIODBASE
TI Glycoprotein synthesis in yeast. Early events in N-linked oligosaccharide processing in Schizosaccharomyces pombe
AU Ziegler, F.D.; Gemmill, T.R.; Trimble, R.B.
CS Ziegler, F.D.; Gemmill, T.R.; Trimble, R.B. (N. Y. S. Dept. of Health, Wadsworth Laboratories/Research Ctr., P. O. Box 509, Albany, NY 12201-0509 (US))
SO Journal of Biological Chemistry (1994) Volume 269, Number 17, pp. 12527-12535
CODEN: JBCHA3 ISSN: 0021-9258
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 30 Jan 2009
Last updated on STN: 30 Jan 2009

L61 ANSWER 74 OF 221 MEDLINE on STN DUPLICATE 19
TI Fructose metabolism and cell survival in freshly isolated rat hepatocytes incubated under hypoxic conditions: proposals for potential clinical use.
SO Hepatology (Baltimore, Md.), (1994 Dec) Vol. 20, No. 6, pp. 1567-76. Journal code: 8302946. ISSN: 0270-9139.
AU Lefebvre V; Goffin I; Buc-Calderon P
AN 1995073704 MEDLINE

L61 ANSWER 75 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 1995025645 ESBIODBASE
TI Fructose metabolism and cell survival in freshly isolated rat hepatocytes incubated under hypoxic conditions: Proposals for potential clinical use
AU Lefebvre, Veronique; Goffin, Isabelle; Buc-Calderon, Pedro
CS Lefebvre, Veronique; Goffin, Isabelle; Buc-Calderon, Pedro (Toxicol. and Cancer Biochem. Unit, Dept. of Pharmaceutical Sciences, Catholic University of Louvain, 1200 Brussels (BE)); Lefebvre, Veronique (Natl. Fund for Scientific Research, (BE)); Buc-Calderon, Pedro (Unite BCTC, UCL 7369, Av. E. Mounier 73, 1200 Bruxelles (BE))
SO Hepatology (Dec 1994) Volume 20, Number 6, pp. 1567-1576, 34 refs. CODEN: HPTLD9 ISSN: 0270-9139
DOI: 10.1002/hep.1840200628
CY United States of America
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LA English
SL English
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TI Synthesis and lymphatic transport of intestinal apolipoprotein A-IV in response to graded doses of triglyceride.

SO Journal of Lipid Research, (1994) Vol. 35, No. 7, pp. 1141-1151.
ISSN: 0022-2275 CODEN: JLPRAW

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AN 1994216579 EMBASE

L61 ANSWER 77 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 1994145686 ESBIODBASE

TI Structure-function studies of oligosaccharides of recombinant human thyrotrophin by sequential deglycosylation and resialylation

AU Thotakura, N.R.; Szkudlinski, M.W.; Weintraub, B.D.

CS Thotakura, N.R.; Szkudlinski, M.W.; Weintraub, B.D. (Molecular/Cellular Endocrin. Branch, NIDDKD, National Institutes of Health, Bethesda, MD 20892 (US))

SO Glycobiology (1994) Volume 4, Number 4, pp. 525-533
CODEN: GLYCE3 ISSN: 0959-6658

CY United Kingdom

DT Journal; Article

LA English

SL English

ED Entered STN: 30 Jan 2009

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L61 ANSWER 78 OF 221 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 1994088504 ESBIODBASE

TI Role of processing of the oligosaccharide chains in the affinity of lipoprotein lipase for heparin

AU Masuno, H.; Okuda, H.

CS Masuno, H.; Okuda, H. (Department of Medical Biochemistry, School of Medicine, Ehime University, Shigenobu, Onsen-gun, Ehime 791-02 (JP))

SO Biochimica et Biophysica Acta - Lipids and Lipid Metabolism (1994) Volume 1212, Number 1, pp. 125-128

CODEN: BBLA6 ISSN: 0005-2760

DOI: 10.1016/0005-2760(94)90197-X

CY Netherlands

DT Journal; Article

LA English

SL English

ED Entered STN: 30 Jan 2009

Last updated on STN: 30 Jan 2009

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TI Studies on the metabolic fate of GAB-88, a new peripheral parenteral nutrition solution. Plasma concentration distribution and excretion in normal rats.

SO Japanese Pharmacology and Therapeutics, (1994) Vol. 22, No. SUPPL. 4, pp. 17-28.

ISSN: 0386-3603 CODEN: YACHDS

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L61 ANSWER 80 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN DUPLICATE 20
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 SO Molecular and Cellular Biology, (1993) Vol. 13, No. 7, pp. 4391-4399. ISSN: 0270-7306 CODEN: MCEBD4
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L61 ANSWER 81 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Heterogeneity in glucose sensitivity among pancreatic β -cells is correlated to differences in glucose phosphorylation rather than glucose transport
 SO EMBO Journal (1993), 12(7), 2873-9
 CODEN: EMJODG; ISSN: 0261-4189
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 AN 1993:492019 HCAPLUS
 DN 119:92019
 OREF 119:16509a,16512a

L61 ANSWER 82 OF 221 MEDLINE on STN DUPLICATE 21
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 Journal code: 2985121R. ISSN: 0021-9258.
 AU Kitzman H H Jr; McMahon R J; Williams M G; Frost S C
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L61 ANSWER 83 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
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 AN 1993:460876 BIOSIS

L61 ANSWER 84 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN DUPLICATE 22
 TI Disruption of the processing α -mannosidase gene does not prevent outer chain synthesis in Saccharomyces cerevisiae.
 SO Biochemical Journal, (1993) Vol. 290, No. 1, pp. 21-26. ISSN: 0264-6021 CODEN: BIJOAK
 AU Puccia, R.; Grondin, B.; Herscovics, A. (correspondence)
 AN 1993081195 EMBASE

L61 ANSWER 85 OF 221 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation on STN
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 SO JOURNAL OF NEUROSCIENCE, (MAR 1992) Vol. 12, No. 3, pp. 840-853. ISSN: 0270-6474.
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L61 ANSWER 86 OF 221 MEDLINE on STN DUPLICATE 23
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L61 ANSWER 88 OF 221 MEDLINE on STN DUPLICATE 24
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L61 ANSWER 89 OF 221 MEDLINE on STN DUPLICATE 25
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Journal code: 0372763. ISSN: 0012-1797.
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AN 1992038509 MEDLINE

L61 ANSWER 90 OF 221 MEDLINE on STN DUPLICATE 26
TI Trehalose transport in yeast cells.
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Journal code: 8100311. ISSN: 0158-5231.
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L61 ANSWER 92 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
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L61 ANSWER 93 OF 221 LIFESCI COPYRIGHT 2009 CSA on STN
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L61 ANSWER 94 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
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L61 ANSWER 95 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
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L61 ANSWER 96 OF 221 MEDLINE on STN DUPLICATE 29
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 Journal code: 8907465. ISSN: 1031-3613.
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L61 ANSWER 97 OF 221 MEDLINE on STN DUPLICATE 30
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 induction of insulin resistance in primary cultured adipocytes.
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 Journal code: 2985121R. ISSN: 0021-9258.
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L61 ANSWER 98 OF 221 MEDLINE on STN DUPLICATE 31
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 Journal code: 0155157. ISSN: 0014-5793.
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 Journal code: 7500844. ISSN: 0303-7207.

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L61 ANSWER 101 OF 221 MEDLINE on STN DUPLICATE 34
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Journal code: 2985121R. ISSN: 0021-9258.
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L61 ANSWER 102 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
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L61 ANSWER 103 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN
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L61 ANSWER 104 OF 221 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN DUPLICATE 35
TI Effect of hyperglycemia on sorbitol and myo-inositol content of cultured rat conceptus: Failure of aldose reductase inhibitors to modify myo-inositol depletion and dysmorphogenesis.
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L61 ANSWER 105 OF 221 LIFESCI COPYRIGHT 2009 CSA on STN
TI Effect of testosterone on whole body amino acid utilization in myotonic dystrophy.
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L61 ANSWER 107 OF 221 MEDLINE on STN DUPLICATE 37
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L61 ANSWER 109 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
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CODEN: JEMEAV; ISSN: 0022-1007
AU Leiter, Edward H.; Fewell, Joseph W.; Kuff, Edward L.
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DN 104:123982
OREF 104:19479a,19482a

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ISSN: 0363-6143 CODEN: AJPCDD
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AN 1968:61469 BIOSIS

L61 ANSWER 166 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

TI Proprioceptive influences on the blood sugar level with different levels of thyroid hormone in the body Experimental investigations on physiology, biophysics and pharmacology From: REF ZH BIOL, 1966, Number 12P582. (Translation).

Original Title: Propriotseptivnye vliyaniya na uroven' sakhara v krovi pri razlichnoi obespechennosti organizma gormonom shchitovidnoi zhelezy In: Eksperi-mental'nye issledovaniya po fiziologii biofizike i farmakologii From: REF ZH BIOL, 1966, Number 12P582. (Translation).

SO (1965) pp. 50-53. Proprioceptive influences on the blood sugar level with different levels of thyroid hormone in the body Experimental investigations on physiology, biophysics and pharmacology [6]. Propriotseptivnye vliyaniya na uroven' sakhara v krovi pri razlichnoi obespechennosti organizma gormonom shchitovidnoi zhelezy In: Eksperi-mental'nye issledovaniya po fiziologii biofizike i farmakologii Experimental investigations on physiology, biophysics and pharmacology [6].

Publisher: Perm.

AU TURUBINER, N. M.

AN 1968:55949 BIOSIS

L61 ANSWER 167 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

TI De- and regeneration of chloroplasts in the cells of Chlorella protothecoides. IV. Effects of 5-fluorouracil, dlhydrostreptomycin, chloramphenicol and acridine orange on the processes of greening and division of "glucose-bleached" algal cells.

SO PLANT CELL PHYSIOL, (1965) Vol. 6, No. 3, pp. 475-485.

AU AOKI, SHIGEJI; MATSUBARA, JUNKO KHAN; EIJI, HASE

AN 1966:68761 BIOSIS

L61 ANSWER 168 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

TI Utilization of urea by sheep. I. Rates of breakdown of urea and
 carbohydrates in vivo and in vitro.
 SO J AGR SCI, (1965) Vol. 63, No. 3, pp. 289-296.
 AU SCHWARTZ, H. M.; SCHOEMAN, C. A.; FARBER, M. S.
 AN 1966:15968 BIOSIS

L61 ANSWER 169 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Utilization of urea by sheep. I. Rates of breakdown of urea and
 carbohydrates in vivo and in vitro
 SO Journal of the Agricultural Society of the University College of Wales
 (1964), 63(3), 289-96
 CODEN: JASWAJ; ISSN: 0368-1335
 AU Schwartz, H. M.; Schoeman, C. A.; Farber, M. S.
 AN 1965:84988 HCAPLUS
 DN 62:84988
 OREF 62:15188f-h,15189a

L61 ANSWER 170 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
 STN DUPLICATE 63
 TI RNA synthesis and ribosome production puromycin-treated cells.
 SO BIOCHIM ET BIOPHYS ACTA, (1964) Vol. 80, No. 2, pp. 230-241.
 AU SELLS, B. H.
 AN 1964:65367 BIOSIS

L61 ANSWER 171 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Stimulation by oxytocin and acetylcholine of glucose oxidation by
 lactating-rat mammary-gland slices; inhibition of the hormone effects by
 puromycin
 SO Biochimica et Biophysica Acta (1962), 63, 554-6
 CODEN: BBACAQ; ISSN: 0006-3002
 AU Cohen, Jules; Brenneman, A. Russell; Topper, Yale J.
 AN 1963:9956 HCAPLUS
 DN 58:9956
 OREF 58:1689g-h

L61 ANSWER 172 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
 STN
 TI Effect of the antibiotic, cycloheximide, on the metabolism and growth of
 Saccharomyces pastorianus.
 SO AMER JOUR BOT, (1960) Vol. 47, No. 7, pp. 541-549.
 AU COURSEN, B. W.; SISLER, H. D.
 AN 1960:54086 BIOSIS

L61 ANSWER 173 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI The site of protein synthesis in the vegetable cell
 SO Biokhimiya (Moscow) (1956), 21, 496-8
 CODEN: BIOHAO; ISSN: 0320-9725
 AU Pleshkov, B. P.; Ivanko, Sh.
 AN 1957:9936 HCAPLUS
 DN 51:9936
 OREF 51:2128f-h

L61 ANSWER 174 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
 STN
 TI The early symptoms of intoxication by small doses of carbon disulfide
 Referat. Zhur., Biol., 1956, Number 79501. (Translation.).
 Original Title: K voprosu o rannikh simptomakh intoksikatsii malymi dozami
 serougleroda Referat. Zhur., Biol., 1956, Number 79501. (Translation
 .).
 SO ZHUR VYSSH NERNV DEYATELNOSTI, (1954) Vol. 4, No. 2, pp. 159-165.
 AU MODEL, A. A.; CHEPKOI, L. P.
 AN 1958:16103 BIOSIS

L61 ANSWER 175 OF 221 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
 STN
 TI Effect of the injection of glucose on interoceptive reflexes daring
 hypoglycemic states Referat. Zhur., Biol., 1957, Number 8259. (
 Translation.).
 Original Title: Vliyanie in'ektsii glyukozy na interotseptivnye refleksy
 pri gipoglikemicheskikh sostiyaniyakh Referat. Zhur., Biol., 1957, Number
 8259. (Translation.).
 SO BYULL EKSPTL BIOL I MED, (1954) Vol. 37, No. 6, pp. 28-32.
 AU POPOVA, T. V.
 AN 1958:33560 BIOSIS

L61 ANSWER 176 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Nitrogen metabolism of plants. VI. Interrelations among respiration rate,
 carbohydrates, soluble nitrogen compounds and proteins in leaves
 SO Australian Journal of Experimental Biology and Medical Science (1942), 20,
 257-62
 CODEN: AJEBAK; ISSN: 0004-945X
 AU Wood, J. G.
 AN 1943:14731 HCAPLUS
 DN 37:14731
 OREF 37:2418e-i

L61 ANSWER 177 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Melicitose and Turanose. [machine translation]
 SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences
 (1906), 142, 1424-26
 From: Chem. Zentr., 1906, II, 424
 CODEN: COREAF
 AU Tanret, Georges
 AN 1906:156004 HCAPLUS
 DN 0:156004

L61 ANSWER 178 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI The analysis of sugar mixtures. [machine translation]
 SO Journal of the American Chemical Society (1906), 28, 439-53
 From: Chem. Zentr., 1906, I, 1849
 CODEN: JACSAT
 AU Browne, C. A., Jr.
 AN 1906:154843 HCAPLUS
 DN 0:154843

L61 ANSWER 179 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Transformation of the Dextrose in Fructose and Proof of the Fructose.
 [machine translation]
 SO Zeitschrift fuer Anorganische Chemie (1905), 18, 1170-74
 From: Chem. Zentr., 1905, II, 616
 CODEN: ZACMAH
 AU Ost, H.
 AN 1906:147639 HCAPLUS
 DN 0:147639

L61 ANSWER 180 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Effect of secondary, asymmetric hydrazine on sugars. [machine
 translation]
 SO Monatshefte fuer Chemie (1905), 26, 1165-90
 From: Chem. Zentr., 1905, II, 1668-1669
 CODEN: MOCMB7
 AU Ofner, Rudolf
 AN 1906:150023 HCAPLUS
 DN 0:150023

L61 ANSWER 181 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI The Removal of the Glucose from Sugar and Other
 Molasses by Fermentation. [machine translation]
 SO Bull. de l'Assoc. d. Chim. de Sucr. et Dist. (1905), 23, 639-47
 From: Chem. Zentr., 1906, I, 947-948
 AU Pellet, H.; Pellet, L.; Pairault
 AN 1906:152716 HCAPLUS
 DN 0:152716

L61 ANSWER 182 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Studies about enzyme effect - The synthetic effect of acid, compared to
 that of the enzymes. [machine translation]
 SO Proceedings of the Royal Society of London (1905), 76(Serie B), 592-99
 From: Chem. Zentr., 1905, II, 1806-1807
 CODEN: PRSLAZ
 AU Armstrong, Edward Frankland
 AN 1906:150373 HCAPLUS
 DN 0:150373

L61 ANSWER 183 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Effect of Inorganic Substances on the Turn of Fructose and Glucose.
 [machine translation]
 SO Z. f. physik. Ch. (1905), 51, 473-93
 From: Chem. Zentr., 1905, I, 1313-1314
 AU Rimbach, E.; Weber, O.
 AN 1906:144993 HCAPLUS
 DN 0:144993

L61 ANSWER 184 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Metabolic Observations at a Case of Diabetes Mellitus, with Special
 Consideration of the Prognosis. [machine translation]
 SO Arch. f. klin. Med. (1905), 81, 472-92
 From: Chem. Zentr., 1905, I, 281-282
 AU Mandel, Arthur R.; Lusk, Graham
 AN 1906:142491 HCAPLUS
 DN 0:142491

L61 ANSWER 185 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI On Fruit Sugar Diabetes and on the Relations of Fructose with Fruit Sugar
 and other Carbohydrates. [machine translation]
 SO Verh. d. Ges. Deutsch. Ntf. u. Aerzte (1905), 1904(II. 2nd Half.), 39-41
 From: Chem. Zentr., 1906, I, 779
 AU Rosin, H.
 AN 1906:152363 HCAPLUS
 DN 0:152363

L61 ANSWER 186 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI On Some Hydrazones, Derived From the p-, m-, and o-Nitrophenylhydrazines.
 [machine translation]
 SO Recueil des Travaux Chimiques des Pays-Bas (1905), 24, 33-39
 From: Chem. Zentr., 1905, I, 1277-1278
 CODEN: RTCPA3
 AU Van Ekenstein, W. Alberda; Blanksma, J. J.
 AN 1906:144906 HCAPLUS
 DN 0:144906

L61 ANSWER 187 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Over the So-Called Scammonium. [machine translation]
 SO Berichte der Deutschen Chemischen Gesellschaft (1904), 37, 4615-16
 From: Chem. Zentr., 1905, I, 224
 CODEN: BDCGAS

AU Votocek, E.; Vondracek, R.
AN 1906:142382 HCAPLUS
DN 0:142382

L61 ANSWER 188 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI On the Origin of Lactose; Urology Investigations of Pregnant Women.
[machine translation]
SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences
(1904), 138, 862-65
From: Chem. Zentr., 1904, I, 1533
CODEN: COREAF
AU Porcher, Ch.; Commandeur
AN 1906:170228 HCAPLUS
DN 0:170228

L61 ANSWER 189 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Enzyme effect. [machine translation]
SO Z. f. physik. Ch. (1904), 49, 456-82
From: Chem. Zentr., 1904, II, 1096-1098
AU Barendrecht, H. P.
AN 1906:173173 HCAPLUS
DN 0:173173

L61 ANSWER 190 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI On the Birotation of Glucose. [machine translation]
SO Justus Liebig's Annalen der Chemie (1904), 331, 359-382
From: Chem. Zentr., 1904, I, 1555-1557
CODEN: JLACBF
AU Behrend, Robert; Roth, Paul
AN 1906:170281 HCAPLUS
DN 0:170281

L61 ANSWER 191 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Further Experiments over Causing and Inhibition of Glucose with Rabbits by
Salts; Third Report. [machine translation]
SO Pfluegers Archiv (1904), 106, 80-83
From: Chem. Zentr., 1905, I, 282
CODEN: PFLABK
AU Fischer, Martin H.
AN 1906:142492 HCAPLUS
DN 0:142492

L61 ANSWER 192 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Investigations for the Physiology and Pharmacology of Kidney Function,
Report II: The Nature of Phlorhidzin Diurese. [machine translation
]
SO Arch. f. exp. Pathol. u. Pharmak. (1903), 50, 326-31
From: Chem. Zentr., 1904, I, 398-399
AU Loewi, O.
AN 1906:167568 HCAPLUS
DN 0:167568

L61 ANSWER 193 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI To the hospital and pathogenesis of the levulose diabetes. [machine
translation]
SO Arch. exp. Pathol. u. Pharmak. (1903), 50, 273-93
From: Chem. Zentr., 1903, II, 1464-1465
AU Schlesinger, Wilhelm
AN 1906:166793 HCAPLUS
DN 0:166793

L61 ANSWER 194 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN

TI Proof of Small Quantities of Maltose with Presence of Glucose. [machine translation]
 SO Journal de Pharmacie et de Chimie (1903), 17(6), 225-28
 From: Chem. Zentr., 1903, I, 897
 CODEN: JPHCA9
 AU Grimbert, L.
 AN 1906:161781 HCAPLUS
 DN 0:161781

L61 ANSWER 195 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Experimental Contributions to the Question of the Intermediate Metabolism of Carbohydrates. [machine translation]
 SO Ztschr. physiol. Ch. (1903), 38, 135-56
 From: Chem. Zentr., 1903, I, 1426-1427
 AU Mayer, Paul
 AN 1906:163130 HCAPLUS
 DN 0:163130

L61 ANSWER 196 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Glucosury of muscular origin; Arise of glucuronic acid and glucose in urines of animals, where groups of muscles were tied or crushed. [machine translation]
 SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences (1902), 134, 1000-2
 From: Chem. Zentr., 1902, I, 1412-1413
 CODEN: COREAF; ISSN: 0001-4036
 AU Cadeac; Maignon
 AN 1906:222127 HCAPLUS
 DN 0:222127

L61 ANSWER 197 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI On the isolation of ketoses. [machine translation]
 SO Berichte der Deutschen Chemischen Gesellschaft (1902), 35, 959-66
 From: Chem. Zentr., 1902, I, 860-861
 CODEN: BDCGAS; ISSN: 0365-9496
 AU Neuberg, Carl
 AN 1906:220905 HCAPLUS
 DN 0:220905

L61 ANSWER 198 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI About the separation of galactose and glucose by the Saccharomyces Ludwiggii. [machine translation]
 SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences (1902), 134, 610-12
 From: Chem. Zentr., 1902, I, 885
 CODEN: COREAF; ISSN: 0001-4036
 AU Thomas, Pierre
 AN 1906:220945 HCAPLUS
 DN 0:220945

L61 ANSWER 199 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI On Phlorhizine and Experimental Glycoside. [machine translation]
 SO Verhdl. d. 20. Kongr. f. inn. Medizin (1902) 524-26
 From: Chem. Zentr., 1903, I, 180-181
 AU Spiro, K.; Vogt, H.
 AN 1906:160012 HCAPLUS
 DN 0:160012

L61 ANSWER 200 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI About the extraction of the reducing sugars (monosaccharides). [machine translation]
 SO Bulletin de la Societe Chimique de France (1902), 27(3), 392-98

From: Chem. Zentr., 1902, I, 1321-1322
 CODEN: BSCFAS; ISSN: 0037-8968
 AU Tanret, C.
 AN 1906:221953 HCAPLUS
 DN 0:221953

L61 ANSWER 201 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Over the gentiobiose; preparation and characteristics of the crystalline
 gentiobiose. [machine translation]
 SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences
 (1902), 135, 290-92
 From: Chem. Zentr., 1902, II, 694
 CODEN: COREAF; ISSN: 0001-4036
 AU Bourquelot, Em.; Herissey, H.
 AN 1906:223716 HCAPLUS
 DN 0:223716

L61 ANSWER 202 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Reduction of the nitrated azo coloring materials. [machine
 translation]
 SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences
 (1901), 132, 985-88
 From: Chem. Zentr., 1901, I, 1153-1154
 CODEN: COREAF; ISSN: 0001-4036
 AU Rosenstiehl, A.
 AN 1906:215433 HCAPLUS
 DN 0:215433

L61 ANSWER 203 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Over a new base deriving from the glucose. [machine translation]
 SO Comptes Rendus Hebdomadaires des Seances de l'Academie des Sciences
 (1901), 132, 980-83
 From: Chem. Zentr., 1901, I, 1196-1197
 CODEN: COREAF; ISSN: 0001-4036
 AU Maquenne, L.; Roux, E.
 AN 1906:215528 HCAPLUS
 DN 0:215528

L61 ANSWER 204 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI The ureide which are derived from the kinds of sugar. [machine
 translation]
 SO Recueil des Travaux Chimiques des Pays-Bas (1901), 19, 398-400
 From: Chem. Zentr., 1901, I, 775-776
 CODEN: RTCPA3; ISSN: 0165-0513
 AU Schoorl, N.
 AN 1906:214568 HCAPLUS
 DN 0:214568

L61 ANSWER 205 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Over the components of the root crust of Piscidia Erythrina L. (Jamaica
 Dogwood). [machine translation]
 SO American Chemical Journal (1901), 25, 390-413
 From: Chem. Zentr., 1901, II, 41-43
 CODEN: ACJOAZ; ISSN: 0096-4085
 AU Freer, Paul C.; Clover, A. M.
 AN 1906:216003 HCAPLUS
 DN 0:216003

L61 ANSWER 206 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Synthesis of some new disaccharides. [machine translation]
 SO Sitzungsberichte der Akademie der Wissenschaften in Berlin (1901),
 1901(VII), 123-31

From: Chem. Zentr., 1901, I, 679-680
 CODEN: SAWBEB
 AU Fischer, Emil; Armstrong, E. Frankland
 AN 1906:214327 HCAPLUS
 DN 0:214327

L61 ANSWER 207 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI About the influence of the camphor on the size of the sugar-elimination in the phloridzin diabetes: A contribution to the theory of the origin of the glucuronic acid in the animal body. [machine translation]
 SO Arch. exp. Pathol. u. Pharmak. (1901), 47, 56-67
 From: Chem. Zentr., 1902, I, 363-364
 AU Loewi, Otto
 AN 1906:219791 HCAPLUS
 DN 0:219791

L61 ANSWER 208 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI A method for the isolation of maltose from mixtures with glucose. [machine translation]
 SO Proceedings Chem. Soc. (1901), 17, 45-46
 From: Chem. Zentr., 1901, I, 823
 AU Hill, A. C.
 AN 1906:214713 HCAPLUS
 DN 0:214713

L61 ANSWER 209 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI About Apiin. [machine translation]
 SO Berichte der Deutschen Chemischen Gesellschaft (1900), 33, 2904-9
 From: Chem. Zentr., 1900, II, 1111-1112
 CODEN: BDCGAS; ISSN: 0365-9496
 AU Vongerichten, E.
 AN 1906:212258 HCAPLUS
 DN 0:212258

L61 ANSWER 210 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Optical-active substances that the-acid molasses mash. [machine translation]
 SO Z. Ver. Rueberzuck.-Ind. (1900), 1900, 814-17
 From: Chem. Zentr., 1900, II, 948
 AU Schukow, Iwan
 AN 1906:211927 HCAPLUS
 DN 0:211927

L61 ANSWER 211 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Over the behavior of some artificial hexoses in the animal body. [machine translation]
 SO Zschr. physiol. Ch. (1900), 29, 493-516
 From: Chem. Zentr., 1900, II, 488
 AU Muench, A.
 AN 1906:210766 HCAPLUS
 DN 0:210766

L61 ANSWER 212 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
 TI Procedure for the pure preparation and of sugars. [machine translation]
 SO Berichte der Deutschen Chemischen Gesellschaft (1899), 32, 3234-37
 From: Chem. Zentr., 1900, I, 19
 CODEN: BDCGAS; ISSN: 0365-9496
 AU Reife, Otto; Ollendorff, Gerhard
 AN 1906:206131 HCAPLUS
 DN 0:206131

L61 ANSWER 213 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Some cobalt compounds of the saccharose and glucose. [machine translation]
SO Chemiker-Zeitung (1899), 23, 627-28
From: Chem. Zentr., 1899, II, 526-527
CODEN: CMKZAT; ISSN: 0009-2894
AU Herzog, W.
AN 1906:248854 HCAPLUS
DN 0:248854

L61 ANSWER 214 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI D- and r-arabinose. [machine translation]
SO Berichte der Deutschen Chemischen Gesellschaft (1899), 32, 550-60
From: Chem. Zentr., 1899, I, 827-828
CODEN: BDCGAS; ISSN: 0365-9496
AU Ruff, Otto
AN 1906:246218 HCAPLUS
DN 0:246218

L61 ANSWER 215 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI About crystallized melibiosis. [machine translation]
SO Wchschr. Brauerei (1899), 16, 397-400
From: Chem. Zentr., 1899, II, 526
AU Bau, Arminius
AN 1906:248853 HCAPLUS
DN 0:248853

L61 ANSWER 216 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Method of the separation of kinds of sugar as lead saccharate by filtration. [machine translation]
SO Patentbl. 18. 846
From: Chem. Zentr., 1898, I, 591.
CODEN: GWXXBX
IN Kassner, Georg
AN 1906:251918 HCAPLUS
DN 0:251918

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 94127		18980000	DE	

L61 ANSWER 217 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Over Phlorhidzin diabetes and over the behavior the same with supply of different kinds of sugar and of glue. [machine translation]
SO Z. Biolog. (1898), 36, 82-114
From: Chem. Zentr., 1898, I, 347
AU Lusk, Graham
AN 1906:251279 HCAPLUS
DN 0:251279

L61 ANSWER 218 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Meaning of stereo chemistry for the physiology. [machine translation]
SO Ztschr. physiol. Ch. (1898), 26, 60-87
From: Chem. Zentr., 1898, II, 1177-1179
AU Fischer, Emil
AN 1906:256678 HCAPLUS
DN 0:256678

L61 ANSWER 219 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI The Caffeine compound in the cola nut: Part II. Colatannin. [machine translation]
SO Journ. Americ. chem. Soc. (1898), 20, 34-78

From: Chem. Zentr., 1898, I, 577-580
AU Knox, James W. T.; Frescott, Albert B.
AN 1906:251845 HCAPLUS
DN 0:251845

L61 ANSWER 220 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI On the effect of the carbohydrates, the fats and the glue on the inorganic metabolism. [machine translation]
SO Du Bois-Raymond's Arch. (1897), 1897, 473-85
From: Chem. Zentr., 1898, I, 266-267
AU Pugliese, Angelo
AN 1906:251057 HCAPLUS
DN 0:251057

L61 ANSWER 221 OF 221 HCAPLUS COPYRIGHT 2009 ACS on STN
TI About the decomposition ability of the Laevulose with clinical and experimental diabetes and over their value as protein material savings means. [machine translation]
SO Wien. med. Wchschr. (1897), 47, 379-82
From: Chem. Zentr., 1897, I, 717
AU de Renzi, E.; Reale, E.
AN 1906:264396 HCAPLUS
DN 0:264396

=>

=> s l12(15a)(filtrat? or ultrafiltrat? or fractionat?)

FILE 'MEDLINE'

101716 FILTRAT?
15239 ULTRAFILTRAT?
74272 FRACTIONAT?

L62 171 L1 (15A)(FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'SCISEARCH'

76858 FILTRAT?
18621 ULTRAFILTRAT?
70379 FRACTIONAT?

L63 90 L2 (15A)(FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'LIFESCI'

25055 FILTRAT?
2600 ULTRAFILTRAT?
18568 FRACTIONAT?

L64 133 L3 (15A)(FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'BIOTECHDS'

18093 FILTRAT?
4230 ULTRAFILTRAT?
5778 FRACTIONAT?

L65 33 L4 (15A)(FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'BIOSIS'

125436 FILTRAT?
14909 ULTRAFILTRAT?
80148 FRACTIONAT?

L66 296 L5 (15A)(FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'EMBASE'

86954 FILTRAT?
13845 ULTRAFILTRAT?
58992 FRACTIONAT?

L67 138 L6 (15A)(FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'HCAPLUS'
384626 FILTRAT?
39490 ULTRAFILTRAT?
171985 FRACTIONAT?
L68 1689 L7 (15A) (FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'NTIS'
7402 FILTRAT?
932 ULTRAFILTRAT?
3689 FRACTIONAT?
L69 52 L8 (15A) (FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'ESBIOBASE'
25928 FILTRAT?
4406 ULTRAFILTRAT?
23970 FRACTIONAT?
L70 66 L9 (15A) (FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'BIOTECHNO'
20836 FILTRAT?
2588 ULTRAFILTRAT?
16240 FRACTIONAT?
L71 122 L10 (15A) (FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

FILE 'WPIDS'
135626 FILTRAT?
10807 ULTRAFILTRAT?
20970 FRACTIONAT?
L72 19 L11 (15A) (FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

TOTAL FOR ALL FILES
L73 2809 L12 (15A) (FILTRAT? OR ULTRAFILTRAT? OR FRACTIONAT?)

=> s l12(5a)(cell free or in vitro or system#)

FILE 'MEDLINE'
2412331 CELL
576230 FREE
34966 CELL FREE
(CELL(W)FREE)
12833768 IN
684842 VITRO
684401 IN VITRO
(IN(W)VITRO)
1816046 SYSTEM#
L74 11877 L1 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'SCISEARCH'
1961041 CELL
773282 FREE
19780 CELL FREE
(CELL(W)FREE)
17917092 IN
618918 VITRO
613851 IN VITRO
(IN(W)VITRO)
2922898 SYSTEM#
L75 7990 L2 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'LIFESCI'
711586 "CELL"

134347 "FREE"
11937 CELL FREE
("CELL" (W) "FREE")
259482 IN VITRO
("VITRO")
463154 SYSTEM#
L76 6272 L3 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'BIOTECHDS'
200312 CELL
31279 FREE
4982 CELL FREE
("CELL" (W) FREE)
34290 IN VITRO
("VITRO")
78845 SYSTEM#
L77 1307 L4 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'BIOSIS'
4329525 CELL
611110 FREE
33492 CELL FREE
("CELL" (W) FREE)
810122 IN VITRO
("VITRO")
11105925 SYSTEM#
L78 14850 L5 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'EMBASE'
3138162 CELL
472986 FREE
20937 CELL FREE
("CELL" (W) FREE)
10358406 IN
1069984 VITRO
1069682 IN VITRO
("IN" (W) VITRO)
2752715 SYSTEM#
L79 9299 L6 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'HCAPLUS'
2587380 CELL
1452043 FREE
39136 CELL FREE
("CELL" (W) FREE)
749965 IN VITRO
("VITRO")
3768242 SYSTEM#
L80 43528 L7 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'NTIS'
54490 CELL
64854 FREE
369 CELL FREE
("CELL" (W) FREE)
1864078 IN
9872 VITRO
9782 IN VITRO
("IN" (W) VITRO)
720309 SYSTEM#
L81 2533 L8 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'ESBIOBASE'
1027357 CELL
199799 FREE
9054 CELL FREE
(CELL(W)FREE)
3837545 IN
276765 VITRO
276492 IN VITRO
(IN(W)VITRO)
995805 SYSTEM#
L82 4150 L9 (5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'BIOTECHNO'
822843 CELL
81349 FREE
9281 CELL FREE
(CELL(W)FREE)
1588351 IN
253158 VITRO
253028 IN VITRO
(IN(W)VITRO)
335609 SYSTEM#
L83 5886 L10(5A) (CELL FREE OR IN VITRO OR SYSTEM#)

FILE 'WPIDS'
563407 CELL
620584 FREE
3573 CELL FREE
(CELL(W)FREE)
12949799 IN
39013 VITRO
38649 IN VITRO
(IN(W)VITRO)
3190827 SYSTEM#
L84 6420 L11(5A) (CELL FREE OR IN VITRO OR SYSTEM#)

TOTAL FOR ALL FILES
L85 114112 L12(5A) (CELL FREE OR IN VITRO OR SYSTEM#)

=> s 173 and 185

FILE 'MEDLINE'
L86 102 L62 AND L74

FILE 'SCISEARCH'
L87 38 L63 AND L75

FILE 'LIFESCI'
L88 59 L64 AND L76

FILE 'BIOTECHDS'
L89 12 L65 AND L77

FILE 'BIOSIS'
L90 141 L66 AND L78

FILE 'EMBASE'
L91 81 L67 AND L79

FILE 'HCAPLUS'
L92 211 L68 AND L80

FILE 'NTIS'

L93 1 L69 AND L81

FILE 'ESBIOBASE'
L94 21 L70 AND L82

FILE 'BIOTECHNO'
L95 68 L71 AND L83

FILE 'WPIDS'
L96 7 L72 AND L84

TOTAL FOR ALL FILES
L97 741 L73 AND L85

=> s l73(15a)l85
FILE 'MEDLINE'
L98 76 L62(15A)L74

FILE 'SCISEARCH'
L99 27 L63(15A)L75

FILE 'LIFESCI'
L100 44 L64(15A)L76

FILE 'BIOTECHDS'
L101 8 L65(15A)L77

FILE 'BIOSIS'
L102 101 L66(15A)L78

FILE 'EMBASE'
L103 53 L67(15A)L79

FILE 'HCAPLUS'
L104 158 L68(15A)L80

FILE 'NTIS'
L105 1 L69(15A)L81

FILE 'ESBIOBASE'
L106 14 L70(15A)L82

FILE 'BIOTECHNO'
L107 45 L71(15A)L83

FILE 'WPIDS'
L108 2 L72(15A)L84

TOTAL FOR ALL FILES
L109 529 L73(15A) L85

=> s l109 not (machine translation)
FILE 'MEDLINE'
24241 MACHINE
56228 TRANSLATION
13 MACHINE TRANSLATION
(MACHINE(W) TRANSLATION)
L110 76 L98 NOT (MACHINE TRANSLATION)

FILE 'SCISEARCH'
82737 MACHINE
68659 TRANSLATION

```

        511 MACHINE TRANSLATION
            (MACHINE(W)TRANSLATION)
L111      27 L99 NOT (MACHINE TRANSLATION)

FILE 'LIFESCI'
        4012 "MACHINE"
        35588 "TRANSLATION"
            1 MACHINE TRANSLATION
                ("MACHINE"(W)"TRANSLATION")
L112      44 L100 NOT (MACHINE TRANSLATION)

FILE 'BIOTECHDS'
        1291 MACHINE
        7090 TRANSLATION
            0 MACHINE TRANSLATION
                (MACHINE(W)TRANSLATION)
L113      8 L101 NOT (MACHINE TRANSLATION)

FILE 'BIOSIS'
        21437 MACHINE
        100190 TRANSLATION
            14 MACHINE TRANSLATION
                (MACHINE(W)TRANSLATION)
L114      101 L102 NOT (MACHINE TRANSLATION)

FILE 'EMBASE'
        19620 MACHINE
        55803 TRANSLATION
            11 MACHINE TRANSLATION
                (MACHINE(W)TRANSLATION)
L115      53 L103 NOT (MACHINE TRANSLATION)

FILE 'HCAPLUS'
        825084 MACHINE
        777636 TRANSLATION
        684082 MACHINE TRANSLATION
            (MACHINE(W)TRANSLATION)
L116      112 L104 NOT (MACHINE TRANSLATION)

FILE 'NTIS'
        36284 MACHINE
        64766 TRANSLATION
            984 MACHINE TRANSLATION
                (MACHINE(W)TRANSLATION)
L117      1 L105 NOT (MACHINE TRANSLATION)

FILE 'ESBIOBASE'
        5282 MACHINE
        30237 TRANSLATION
            2 MACHINE TRANSLATION
                (MACHINE(W)TRANSLATION)
L118      14 L106 NOT (MACHINE TRANSLATION)

FILE 'BIOTECHNO'
        1263 MACHINE
        25603 TRANSLATION
            0 MACHINE TRANSLATION
                (MACHINE(W)TRANSLATION)
L119      45 L107 NOT (MACHINE TRANSLATION)

FILE 'WPIDS'
        1041576 MACHINE

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        39613 TRANSLATION
        1083 MACHINE TRANSLATION
            (MACHINE(W)TRANSLATION)
L120          2 L108 NOT (MACHINE TRANSLATION)

TOTAL FOR ALL FILES
L121          483 L109 NOT (MACHINE TRANSLATION)

=> s l121 not 2005-2009/py
FILE 'MEDLINE'
    3040028 2005-2009/PY
L122          75 L110 NOT 2005-2009/PY

FILE 'SCISEARCH'
    5667177 2005-2009/PY
            (20050000-20099999/PY)
L123          24 L111 NOT 2005-2009/PY

FILE 'LIFESCI'
    837150 2005-2009/PY
L124          42 L112 NOT 2005-2009/PY

FILE 'BIOTECHDS'
    101260 2005-2009/PY
L125          7 L113 NOT 2005-2009/PY

FILE 'BIOSIS'
    2637749 2005-2009/PY
L126          98 L114 NOT 2005-2009/PY

FILE 'EMBASE'
    2564805 2005-2009/PY
L127          51 L115 NOT 2005-2009/PY

FILE 'HCAPLUS'
    6293296 2005-2009/PY
L128          105 L116 NOT 2005-2009/PY

FILE 'NTIS'
    72881 2005-2009/PY
L129          1 L117 NOT 2005-2009/PY

FILE 'ESBIOBASE'
    1515516 2005-2009/PY
L130          11 L118 NOT 2005-2009/PY

FILE 'BIOTECHNO'
    0 2005-2009/PY
L131          45 L119 NOT 2005-2009/PY

FILE 'WPIDS'
    5641427 2005-2009/PY
L132          0 L120 NOT 2005-2009/PY

TOTAL FOR ALL FILES
L133          459 L121 NOT 2005-2009/PY

=> dup rem l133
PROCESSING COMPLETED FOR L133
L134          169 DUP REM L133 (290 DUPLICATES REMOVED)

=> d tot

```

L134 ANSWER 1 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN
TI Fast and high-yield cell-free protein synthesis and kits
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF

IN Hanabusa, Nobuhiro; Yomo, Masamitsu
AN 2004:1013860 HCAPLUS
DN 141:408328

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2004329178	A	20041125	JP 2003-133678	20030512

L134 ANSWER 2 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 2003039057 ESBIOBASE

TI Purification and characterization of α - and β -benincasins, arginine/glutamate-rich peptides with translation-inhibiting activity from wax gourd seeds

AU Ng, T.B.; Parkash, A.; Tso, W.W.

CS Ng, T.B.; Parkash, A.; Tso, W.W. (Department of Biochemistry, Faculty of Medicine, Chinese University of Hong Kong, Shatin, N.T. (HK))
EMAIL: biochemistry@cuhk.edu.hk

SO Peptides (1 Jan 2003) Volume 24, Number 1, pp. 11-16, 22 refs.

CODEN: PEPTDO ISSN: 0196-9781

DOI: 10.1016/S0196-9781(02)00271-1

PUI S0196978102002711

CY United States of America

DT Journal; Article

LA English

SL English

ED Entered STN: 2 Feb 2009

Last updated on STN: 2 Feb 2009

L134 ANSWER 3 OF 169 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN

TI Purification and characterization of α - and β -benincasins, arginine/glutamate-rich peptides with translation-inhibiting activity from wax gourd seeds

SO Peptides, (01 JAN 2003), 24/1 (11-16), 22 reference(s)

CODEN: PEPTDO ISSN: 0196-9781

AU Ng T.B.; Parkash A.; Tso W.W.

AN 2003:36165170 BIOTECHNO

L134 ANSWER 4 OF 169 MEDLINE on STN DUPLICATE 1

TI Leucine zipper domain of 52 kDa SS-A/Ro promotes protein dimer formation and inhibits in vitro transcription activity.

SO Biochimica et biophysica acta, (2001 Dec 5) Vol. 1568, No. 2, pp. 155-61. Journal code: 0217513. ISSN: 0006-3002.

AU Wang D; Buyon J P; Yang Z; Di Donato F; Miranda-Carus M E; Chan E K

AN 2002001736 MEDLINE

L134 ANSWER 5 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 2002007635 ESBIOBASE

TI Leucine zipper domain of 52 kDa SS-A/Ro promotes protein dimer formation and inhibits in vitro transcription activity

AU Wang, Dunrui; Yang, Zheng; Chan, Edward K.L; Buyon, Jill P; Di Donato, Francis; Miranda-Carus, Maria Eugenia

CS Wang, Dunrui; Yang, Zheng; Chan, Edward K.L (Department of Molecular and Experimental Medicine, DNA Core Laboratory for Structural Analysis, Scripps Research Institute, 10550 North Torrey Pines Road, San Diego, CA 92037 (US)); Buyon, Jill P; Di Donato, Francis; Miranda-Carus, Maria Eugenia (Department of Medicine, Division of Rheumatology, New York

University School of Medicine Medical Center, New York, NY (US)); Di Donato, Francis; Miranda-Carus, Maria Eugenia (Department of Rheumatic Disease and Molecular Medicine, Hospital for Joint Diseases, New York, NY (US))

EMAIL: echan@scripps.edu

SO Biochimica et Biophysica Acta - General Subjects (5 Dec 2001) Volume 1568, Number 2, pp. 155-161, 47 refs.

CODEN: BBGSB3 ISSN: 0304-4165

DOI: 10.1016/S0304-4165(01)00212-4

PUI S0304416501002124

CY Netherlands

DT Journal; Article

LA English

SL English

ED Entered STN: 1 Feb 2009

Last updated on STN: 1 Feb 2009

L134 ANSWER 6 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 2000208362 ESBIODASE

TI Characterization of human RhCG and mouse Rhcg as novel nonerythroid Rh glycoprotein homologues predominantly expressed in kidney and testis

AU Liu, Z.; Chen, Y.; Mo, R.; Hui, C.-C.; Cheng, J.-F.; Mohandas, N.; Huang, C.-H.

CS Liu, Z.; Chen, Y.; Mo, R.; Hui, C.-C.; Cheng, J.-F.; Mohandas, N.; Huang, C.-H. (Lab. of Biochemistry/Molec. Genetics, Lindsley F. Kimball Research Inst., New York Blood Center, 310 East 67th St., New York, NY 10021 (US))

SO Journal of Biological Chemistry (18 Aug 2000) Volume 275, Number 33, pp. 25641-25651, 48 refs.

CODEN: JBCHA3 ISSN: 0021-9258

DOI: 10.1074/jbc.M003353200

CY United States of America

DT Journal; Article

LA English

SL English

ED Entered STN: 31 Jan 2009

Last updated on STN: 31 Jan 2009

L134 ANSWER 7 OF 169 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN

TI Characterization of human RhCG and mouse Rhcg as novel nonerythroid Rh glycoprotein homologues predominantly expressed in kidney and testis

SO Journal of Biological Chemistry, (18 AUG 2000), 275/33 (25641-25651), 48 reference(s)

CODEN: JBCHA3 ISSN: 0021-9258

AU Liu Z.; Chen Y.; Mo R.; Hui C.-C.; Cheng J.-F.; Mohandas N.; Huang C.-H.

AN 2000:30687069 BIOTECHNO

L134 ANSWER 8 OF 169 MEDLINE on STN DUPLICATE 2

TI Regulation of the cnr cobalt and nickel resistance determinant of Ralstonia eutropha (Alcaligenes eutrophus) CH34.

SO Journal of bacteriology, (2000 Mar) Vol. 182, No. 5, pp. 1399-409.

Journal code: 2985120R. ISSN: 0021-9193.

Report No.: NLM-PMC94429.

AU Tibazarwa C; Wuertz S; Mergeay M; Wyns L; van Der Lelie D

AN 2000138168 MEDLINE

L134 ANSWER 9 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN

AN 2000046517 ESBIODASE

TI Regulation of the cnr cobalt and nickel resistance determinant of Ralstonia eutropha (Alcaligenes eutrophus) CH34

AU Tibazarwa, C.; Wuertz, S.; Mergeay, M.; Van Der Lelie, D.; Wyns, L.
 CS Tibazarwa, C.; Wuertz, S.; Mergeay, M.; Van Der Lelie, D. (Environ.
 Technology Expertise Centre, Flemish Inst. for Technol. Research, B-2400
 Mol (BE)); Tibazarwa, C.; Wyns, L. (Department of Ultrastructure, Free
 University of Brussels, Flemish Interuniv. Inst. of Biotech., B-1640
 St.-Genesius-Rode (BE)); Wuertz, S. (Inst. Water Qual. Contr. Waste
 Mgmt., Technical University of Munich, D-85749 Garching (DE))
 EMAIL: vdlelied@vito.be
 SO Journal of Bacteriology (Mar 2000) Volume 182, Number 5, pp. 1399-1409,
 32 refs.
 CODEN: JOBAAY ISSN: 0021-9193
 DOI: 10.1128/JB.182.5.1399-1409.2000
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 31 Jan 2009
 Last updated on STN: 31 Jan 2009

L134 ANSWER 10 OF 169 MEDLINE on STN DUPLICATE 3
 TI Arabidopsis MutS homologs-AtMSH2, AtMSH3, AtMSH6, and a novel AtMSH7-form
 three distinct protein heterodimers with different specificities for
 mismatched DNA.
 SO The Plant cell, (2000 Jun) Vol. 12, No. 6, pp. 991-1002.
 Journal code: 9208688. ISSN: 1040-4651.
 Report No.: NLM-PMC149098.
 AU Culligan K M; Hays J B
 AN 2000409426 MEDLINE

L134 ANSWER 11 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 2000163054 ESBIODBASE
 TI Arabidopsis MutS homologs - AtMSH2, AtMSH3, AtMSH6, and a novel AtMSH7 -
 Form three distinct protein heterodimers with different specificities
 for mismatched DNA
 AU Culligan, Kevin M.; Hays, John B.
 CS Culligan, Kevin M. (Prog. in Molec. and Cellular Biology, Oregon State
 University, Corvallis, OR 97331 (US)); Hays, John B. (Dept. Environ. and
 Molec. Toxicol., Oregon State University, Corvallis, OR 97331 (US))
 EMAIL: haysj@bcc.orst.edu
 SO Plant Cell (Jun 2000) Volume 12, Number 6, pp. 991-1002, 47 refs.
 CODEN: PLCEEW ISSN: 1040-4651
 DOI: 10.1105/tpc.12.6.991
 CY United States of America
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 31 Jan 2009
 Last updated on STN: 31 Jan 2009

L134 ANSWER 12 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN
 AN 2000106190 ESBIODBASE
 TI A protein with inhibitory activity on cell-free translation from
 cultured mycelia of the edible mushroom Tricholoma lobayense
 AU Wang, H.X.; Ooi, V.E.C.; Ng, T.B.
 CS Wang, H.X.; Ooi, V.E.C. (Department of Biology, Chinese University of
 Hong Kong, Shatin, New Territories (HK)); Ng, T.B. (Department of
 Biochemistry, Chinese University of Hong Kong, Shatin, New Territories
 (HK))
 SO Comparative Biochemistry and Physiology - B Biochemistry and Molecular
 Biology (2000) Volume 125, Number 2, pp. 247-253, 35 refs.

CODEN: CBPBB8 ISSN: 0305-0491
DOI: 10.1016/S0305-0491(99)00175-3
PUI S0305049199001753
CY United States of America
DT Journal; Article
LA English
SL English
ED Entered STN: 31 Jan 2009
Last updated on STN: 31 Jan 2009

L134 ANSWER 13 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
TI A fractionated reticulocyte lysate system for studies
on protein synthesis initiation factors.
SO Martin, R. [Editor]. METH MOL BIOL, (1998) pp. 211-226. Methods in
Molecular Biology; Protein synthesis: Methods and protocols. print.
Publisher: Humana Press Inc., Suite 808, 999 Riverview Drive, Totowa, New
Jersey 07512, USA. Series: Methods in Molecular Biology.
CODEN: MMBYBO. ISSN: 0097-0816. ISBN: 0-89603-397-X.
AU Rau, Michael; Ohlmann, Theophile; Pain, Virginia M.; Morley, Simon J.
AN 1998:457096 BIOSIS

L134 ANSWER 14 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
STN
TI The Xenopus egg extract translation system.
SO Rapley, R. [Editor]; Manning, D. L. [Editor]. METH MOL BIOL, (1998) pp.
235-247. Methods in Molecular Biology; RNA isolation and characterization
protocols. print.
Publisher: Humana Press Inc., Suite 808, 999 Riverview Drive, Totowa, New
Jersey 07512, USA. Series: Methods in Molecular Biology.
CODEN: MMBYBO. ISSN: 0097-0816. ISBN: 0-89603-393-7.
AU Matthews, Glenn M. [Reprint author]; Colman, Alan
AN 1998:373584 BIOSIS

L134 ANSWER 15 OF 169 MEDLINE on STN DUPLICATE 4
TI A fractionated reticulocyte lysate system for studies
on protein synthesis initiation factors.
SO Methods in molecular biology (Clifton, N.J.), (1998) Vol. 77, pp. 211-26.
Ref: 24
Journal code: 9214969. ISSN: 1064-3745.
AU Rau M; Ohlmann T; Pain V M; Morley S J
AN 1998443611 MEDLINE

L134 ANSWER 16 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN DUPLICATE 5
TI A Novel Method of High Yield Cell-Free Protein Synthesis
SO Journal of Fermentation and Bioengineering [J. Ferment. Bioeng.],
(19970000) vol. 84, no. 6, pp. 548-552.
ISSN: 0922-338X.
AU Yao, Shuiliang; Shen, Xin-Chun; Terada, S.; Suzuki, E.*
AN 1999:75232 LIFESCI

L134 ANSWER 17 OF 169 MEDLINE on STN DUPLICATE 6
TI Cytosolic factors mediate protein insertion into the peroxisomal membrane.
SO FEBS letters, (1997 Sep 1) Vol. 414, No. 1, pp. 95-8.
Journal code: 0155157. ISSN: 0014-5793.
AU Pause B; Diestelkötter P; Heid H; Just W W
AN 1997449270 MEDLINE

L134 ANSWER 18 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
on STN
AN 1997198850 ESBIOBASE
TI Cytosolic factors mediate protein insertion into the peroxisomal

membrane

AU Pause, Birgit; Diestelkotter, Petra; Just, Wilhelm W.; Heid, Hans

CS Pause, Birgit; Diestelkotter, Petra; Just, Wilhelm W.
 (Biochemie-Zentrum, Univ. Heidelberg, Im Neuenheimer F., 69120
 Heidelberg (DE)); Heid, Hans (Deutsches Krebsforschungszentrum, Abt.
 Zellbiologie, Heidelberg (DE))

SO FEBS Letters (1 Sep 1997) Volume 414, Number 1, pp. 95-98, 22 refs.
 CODEN: FEBLAL ISSN: 0014-5793
 DOI: 10.1016/S0014-5793(97)00975-7

PUI S0014579397009757

CY Netherlands

DT Journal; Article

LA English

SL English

ED Entered STN: 31 Jan 2009
 Last updated on STN: 31 Jan 2009

L134 ANSWER 19 OF 169 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation
 on STN DUPLICATE 7

TI Translational regulation of parathyroid hormone gene expression and RNA:
 Protein interactions

SO JOURNAL OF BONE AND MINERAL RESEARCH, (JUN 1996) Vol. 11, No. 6, pp.
 746-753.
 ISSN: 0884-0431.

AU Vadher S (Reprint); Hawa N S; ORiordan J L H; Farrow S M

AN 1996:418364 SCISEARCH

L134 ANSWER 20 OF 169 MEDLINE on STN DUPLICATE 8

TI A semicontinuous prokaryotic coupled transcription/translation system
 using a dialysis membrane.

SO Biotechnology progress, (1996 Sep-Oct) Vol. 12, No. 5, pp. 645-9.
 Journal code: 8506292. ISSN: 8756-7938.

AU Kim D M; Choi C Y

AN 1997033424 MEDLINE

L134 ANSWER 21 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V.
 on STN

AN 1996163506 ESBIOBASE

TI A semicontinuous prokaryotic coupled transcription/translation system
 using a dialysis membrane

AU Kim, Dong-Myung; Choi, Cha-Yong

CS Kim, Dong-Myung; Choi, Cha-Yong (Interdisc. Prog. Biochem. Eng. T.,
 College of Engineering, Seoul National University, Seoul 151-742 (KR));
 Choi, Cha-Yong (Department of Chemical Technology, College of
 Engineering, Seoul National University, Seoul 151-742 (KR))

SO Biotechnology Progress (Sep 1996) Volume 12, Number 5, pp. 645-649, 18
 refs.
 CODEN: BIPRET ISSN: 8756-7938
 DOI: 10.1021/bp960052l
 Published by: AIChE

CY United States of America

DT Journal; Article

LA English

SL English

ED Entered STN: 30 Jan 2009
 Last updated on STN: 30 Jan 2009

L134 ANSWER 22 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN

TI Development of mass production of protein by cell-free biosynthesis system

SO Asahi Garasu Zaidan Josei Kenkyu Seika Hokoku [Electronic Publication]
 (1996) No pp. Given
 CODEN: AGSHEN; ISSN: 0919-9179

URL: <http://www.af-info.or.jp/JPN/subsidy/report2/1997/body/96A-B07-P027.TXT>

AU Yamane, Tsuneo
AN 1998:356087 HCAPLUS
DN 129:119149
OREF 129:24345a,24348a

L134 ANSWER 23 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN DUPLICATE 9
TI Mammalian brain-specific L-proline transporter: Neuronal localization of mRNA and enrichment of transporter protein in synaptic plasma membranes
SO J. BIOL. CHEM., (1995) vol. 270, no. 26, pp. 15755-15761.
ISSN: 0021-9258.
AU Velaz-Faircloth, M.; Guadano-Ferraz, A.; Henzi, V.A.; Freneau, R.T., Jr.*
AN 95:110471 LIFESCI

L134 ANSWER 24 OF 169 MEDLINE on STN DUPLICATE 10
TI Wiskott-Aldrich syndrome protein physically associates with Nck through Src homology 3 domains.
SO Molecular and cellular biology, (1995 Oct) Vol. 15, No. 10, pp. 5725-31.
Journal code: 8109087. ISSN: 0270-7306.
Report No.: NLM-PMC230823.
AU Rivero-Lezcano O M; Marcilla A; Sameshima J H; Robbins K C
AN 1996009600 MEDLINE

L134 ANSWER 25 OF 169 BIOTECHDS COPYRIGHT 2009 THOMSON REUTERS on STN
TI A rapid method to deplete endogenous DNA-bonding proteins from reticulocyte lysate translation systems;
use of streptavidin-coated magnetic bead and biotin-labeled DNA to overcome signal interference caused by endogenous DNA-binding protein
SO Nucleic Acids Res.; (1995) 23, 11, 2076-77
CODEN: NARHAD ISSN: 0305-1048
AU Ebel T T; *Sippel A E
AN 1995-09379 BIOTECHDS

L134 ANSWER 26 OF 169 MEDLINE on STN DUPLICATE 11
TI Populations of citrus tristeza virus contain smaller-than-full-length particles which encapsidate sub-genomic RNA molecules.
SO The Journal of general virology, (1995 Mar) Vol. 76 (Pt 3), pp. 651-9.
Journal code: 0077340. ISSN: 0022-1317.
AU Mawassi M; Gafny R; Gagliardi D; Bar-Joseph M
AN 1995205086 MEDLINE

L134 ANSWER 27 OF 169 Elsevier Biobase COPYRIGHT 2009 Elsevier Science B.V. on STN
AN 1995051906 ESBIOBASE
TI Populations of citrus tristeza virus contain smaller-than-full-length particles which encapsidate sub-genomic RNA molecules
AU Mawassi, M.; Gafny, R.; Gagliardi, D.; Bar-Joseph, M.
CS Mawassi, M.; Gafny, R.; Gagliardi, D.; Bar-Joseph, M. (The S Tolkowsky Laboratory, Dept of Virology, Agr Research Org, The Volcani Center, Bet Dagan 50250 (IL))
SO Journal of General Virology (1995) Volume 76, Number 3, pp. 651-659
CODEN: JGVIAY ISSN: 0022-1317
CY United Kingdom
DT Journal; Article
LA English
SL English
ED Entered STN: 30 Jan 2009
Last updated on STN: 30 Jan 2009

L134 ANSWER 28 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN

TI Hormonal control of biomineralization in selected invertebrates.
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 synthesis by condensing wheat-germ extract with
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 Appl.Biol.Sci., Furo-cho, Chikusa-ku, Nagoya 464, (JP))
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 CODEN: BBBIEJ ISSN: 0916-8451
 DT Journal; Article
 LA English
 SL English
 ED Entered STN: 30 Jan 2009
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 CODEN: ANBCA2 ISSN: 0003-2697
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 CY United States of America
 DT Journal; Article
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 ED Entered STN: 30 Jan 2009
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L134 ANSWER 34 OF 169 BIOTECHDS COPYRIGHT 2009 THOMSON REUTERS on STN
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 AN 1993-06846 BIOTECHDS
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L134 ANSWER 36 OF 169 MEDLINE on STN DUPLICATE 16
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L134 ANSWER 39 OF 169 MEDLINE on STN DUPLICATE 18
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L134 ANSWER 40 OF 169 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation
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L134 ANSWER 42 OF 169 BIOTECHNO COPYRIGHT 2009 Elsevier Science B.V. on STN
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L134 ANSWER 43 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN
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L134 ANSWER 44 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN
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CODEN: ENZYBT; ISSN: 0013-9432
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AN 1992:38233 HCAPLUS
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L134 ANSWER 45 OF 169 SCISEARCH COPYRIGHT (c) 2009 The Thomson Corporation
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L134 ANSWER 46 OF 169 MEDLINE on STN DUPLICATE 22
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L134 ANSWER 48 OF 169 MEDLINE on STN DUPLICATE 23

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L134 ANSWER 49 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN

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CODEN: BIXUEA; ISSN: 1000-8721

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L134 ANSWER 50 OF 169 MEDLINE on STN DUPLICATE 24

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Journal code: 1262265. ISSN: 0013-9432.

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L134 ANSWER 51 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
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DEVELOPMENT AND SENESCENCE OF ATTACHED AND EXCISED LEAF TISSUE.

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L134 ANSWER 52 OF 169 MEDLINE on STN DUPLICATE 26

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L134 ANSWER 53 OF 169 MEDLINE on STN DUPLICATE 27

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system in the study of ribosomal resistance mechanisms in
antibiotic-producing Streptomyces.

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L134 ANSWER 54 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN
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L134 ANSWER 55 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN
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L134 ANSWER 56 OF 169 MEDLINE on STN DUPLICATE 28
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L134 ANSWER 57 OF 169 MEDLINE on STN DUPLICATE 29
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 Journal code: 0107600. ISSN: 0014-2956.
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L134 ANSWER 58 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN
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L134 ANSWER 60 OF 169 MEDLINE on STN DUPLICATE 31
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Journal code: 2985121R. ISSN: 0021-9258.

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L134 ANSWER 62 OF 169 MEDLINE on STN DUPLICATE 33

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L134 ANSWER 63 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN DUPLICATE 34

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L134 ANSWER 64 OF 169 MEDLINE on STN DUPLICATE 35

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L134 ANSWER 65 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN

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CODEN: EPXXDW

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	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
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Report No.: NLM-PMC553724.

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L134 ANSWER 68 OF 169 MEDLINE on STN DUPLICATE 37
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OREF 107:5579a,5582a

L134 ANSWER 70 OF 169 BIOTECHDS COPYRIGHT 2009 THOMSON REUTERS on STN
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expressed in *Escherichia coli* for DNA sequence determination
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CODEN: BICHAW
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L134 ANSWER 71 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN
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L134 ANSWER 72 OF 169 MEDLINE on STN DUPLICATE 38
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L134 ANSWER 73 OF 169 MEDLINE on STN DUPLICATE 39
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L134 ANSWER 74 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN
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L134 ANSWER 75 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
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CHAINS FROM HYBRIDOMA CELLS BY TWO-STEP IMMUNOPRECIPITATION OF
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L134 ANSWER 76 OF 169 MEDLINE on STN DUPLICATE 41

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L134 ANSWER 77 OF 169 MEDLINE on STN DUPLICATE 42

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L134 ANSWER 78 OF 169 BIOTECHDS COPYRIGHT 2009 THOMSON REUTERS on STN

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L134 ANSWER 79 OF 169 MEDLINE on STN DUPLICATE 43

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L134 ANSWER 80 OF 169 MEDLINE on STN DUPLICATE 44

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L134 ANSWER 81 OF 169 MEDLINE on STN DUPLICATE 45

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L134 ANSWER 82 OF 169 MEDLINE on STN DUPLICATE 46
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L134 ANSWER 85 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN DUPLICATE 49
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L134 ANSWER 1 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN

AB The cell-free protein synthesis system contains ribosome, mRNA, substrate amino acids for the desired protein, ATP, and GTP. The ATP and GTP are supplied, and substances removed by semi-permeable membranes after the reaction starts. The addition of ATP and GTP, and removal of substances by semi-permeable membranes can be automated for continuous manufacture of proteins.

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L134 ANSWER 15 OF 169 MEDLINE on STN DUPLICATE 4

L134 ANSWER 16 OF 169 LIFESCI COPYRIGHT 2009 CSA on STN DUPLICATE 5

AB A novel method of cell-free protein synthesis named PER (preincubation followed by energy replenishment) was developed. An incubation mixture containing wheat germ extract (WGE), ATP, GTP, and amino acids was first preincubated at 30 degree C for a certain time and then subjected to centrifugal ultrafiltration to remove most of the low molecular weight components. After filtration, an energy replenishment buffer and template mRNA were added to the filtrated incubation mixture and translation was carried out at 30 degree C for 1h. Protein synthesis started earlier and progressed more rapidly using the PER method in comparison with the conventional cell-free protein synthesis method: the rate of protein production and the amount of protein produced increased 8-fold and 12-fold at maximum, respectively. For luciferase production using WGE, the optimal preincubation time at 30 degree C was found to be 30 min. The presence of energy biochemicals in the incubation mixture during preincubation significantly contributed to the increase in protein productivity, presumably because (i) the formation of certain complexes, such as the ternary complex (eIF-2 times GTP times aminoacyl-tRNA) and the 43S preinitiation complex (ternary complex times 40S subunit), requires energy biochemicals; and (ii) the formation of the 43S preinitiation complex accelerates the formation of the 48S preinitiation complex (43S preinitiation complex times mRNA) which is a rate-limiting step in the initiation of protein synthesis. Filtration of the incubation mixture by centrifugal ultrafiltration also played a major role in increasing the protein productivity, presumably because formation of the complexes was accelerated by the temporary condensation that occurred during filtration. Energy replenishment (ER), supplied by a replenishment buffer following ultrafiltration of the preincubated mixture, could restore the energy charge of the mixture to the level required for protein synthesis. The PER method can be used as a highly efficient cell-free protein synthesis method for producing protein. ER is also a good method in itself for use in experimental studies on the mechanism of protein synthesis since it lessens the effects of energy charge decline.

L134 ANSWER 22 OF 169 HCAPLUS COPYRIGHT 2009 ACS on STN

AB In order to overcome the bottleneck of the conventional method and as a strategy to enhance the performance of the cell-free translation system, two approaches have been taken using wheat germ extract as translational machinery and dihydrofolate reductase (DHFR) gene of Escherichia coli as a reporter gene. To prolong the reaction time: it was revealed that the conventional wheat germ extract system had significant ATP-hydrolysis activity resulting in a gradual decrease in both ATP and GTP in 1h of incubation. By improving various factors that affected the reaction longevity, 30 µg of DHFR protein/mL was synthesized after 10h of incubation. To increase the protein synthesis rate: an increase in the

rate of cell-free protein synthesis was attempted by condensing the translation extract either through ultrafiltration membrane or through addition of polyethylene glycol (PEG). The latter gave much better result: i.e. 120 µg DHFR protein/mL in .apprx.3h.

L134 ANSWER 29 OF 169 MEDLINE on STN DUPLICATE 12

AB Wheat-germ extract for cell-free protein synthesis was condensed with ultrafiltration membranes of which the molecular cut-off values were 10 kDa, 100 kDa, and 300 kDa. Reaction conditions of the cell-free system were optimized for the condensed extracts, which needed a higher concentration of creatine phosphate than the uncondensed one, probably due to the increased activity of degradation of ATP and GTP. By using the condensed extract and optimized reaction conditions, the rate of protein synthesis was increased 2- to 3-fold compared with using an uncondensed extract, and about 10-fold compared with conventional conditions. Condensation of the extract with the 300-kDa membrane showed the highest productivity, which was about 30 micrograms dihydrofolate reductase protein ml⁻¹ h⁻¹. The final amount of synthesized protein was one third of that of a continuous-flow cell-free (CFCF) system reported by Endo et al. [J. Biotechnol., 25, 221-230 (1992)] but the productivity was 5-fold higher than that obtained by the CFCF system.

L134 ANSWER 31 OF 169 MEDLINE on STN DUPLICATE 13

AB A coupled transcription/translation system from *Escherichia coli* has been developed that is very active for protein synthesis but deficient in chaperone proteins. The chaperones GroEL and DnaK distribute during the first ultracentrifugation of the *E. coli* extract partially with the ribosomes and partially in a liquid, viscous fraction above the ribosomes. Gel filtration chromatography of this latter fraction separates GroEL and DnaK as high-molecular-weight components from the peak of activity of the factors required for protein synthesis. Thus, a chaperone-deficient transcription/translation system can be reconstituted with salt-washed ribosomes. This chaperone-deficient system was used to study synthesis and folding of bacterial dihydrofolate reductase and of rhodanese, a eukaryotic mitochondrial enzyme. Both enzymes were synthesized from nonlinearized plasmids that had the respective coding sequence under the SP6 promoter. Both enzymes were synthesized in active form and with high specific activity in the chaperone-deficient system. A high proportion, about 20% of newly synthesized dihydrofolate reductase and about 50% of rhodanese, stayed with the ribosomes after coupled transcription/translation. No enzymatic activity was detected in this fraction. Addition of the chaperones GroEL/ES and DnaK resulted in a shift of rhodanese molecules from the ribosomes into the supernatant fraction. Nearly all molecules in the supernatant were enzymatically active.

L134 ANSWER 53 OF 169 MEDLINE on STN DUPLICATE 27

AB The coupled transcription-translation system, formerly involving extracts of *Streptomyces lividans*, has been developed such that it functions with ribosomes (or their subunits) from at least 20 different *Streptomyces* species. This fractionated system has been used to investigate the antibiotic responses of ribosomes from various *Streptomyces* which synthesize inhibitors of protein synthesis. Of the 11 organisms included in this study, two strains possessed ribosomes that were specifically resistant to the autogenous antibiotic. These were *Streptomyces pactum* and *Streptomyces karnatakensis*, both of which produce pactamycin. Ribosomal subunit exchange analysis further demonstrated that resistance to pactamycin in those strains is due to some property of the 30S ribosomal subunits.

L134 ANSWER 62 OF 169 MEDLINE on STN DUPLICATE 33

AB 1. A fractionated cell-free system of protein synthesis has been developed from mouse liver. It is composed of polysomes, "pH 5" fraction, Mg^{2+} , K^{+} , ATP and a ATP generating system. 2. It operates optimally at 30-37 degrees C, in the presence of 4 mM $MgCl_2$ and 90 mM KCl. 3. Spermine is highly inhibitory, while spermidine shows a bimodal action, in that submillimolar concentrations stimulate, while millimolar concentrations inhibit protein synthesis. 4. Both spermine and spermidine show an interesting selectivity, in that, even though they inhibit incorporation of amino acids into most proteins, they stimulate incorporation into a few proteins. 5. The system can be rendered mRNA-dependent, either by preincubation or by treatment with micrococcal nuclease. In both cases globin mRNA as well as TMV RNA are faithfully translated. 6. Compared to other published mammalian fractionated cell-free systems, the mouse liver system is more efficient by approximately one order of magnitude, since the rate of incorporation of leucine per min is 30 pmol/mg protein or 435 pmol/mg RNA or 1 mol/mol ribosomes.

L134 ANSWER 90 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN DUPLICATE 53

AB Three inhibitors of animal cell-free protein synthesis were isolated from barley seeds by ammonium sulfate fractionation. CM-cellulose chromatography and gel filtration on Bio-Gel P-60. The 3 inhibitors were all single chain, basic proteins with MW .apprx. 31,000 and with very similar amino acid compositions. In the rabbit reticulocyte lysate system, they inhibited in vitro translation to 50% at concentrations between 15 and 25 ng · ml⁻¹, while in the wheat germ system, their effect was very weak. The 3 translation inhibitors showed no detectable RNase activity neither on ribosomal RNA from rabbit liver nor on homopolynucleotides.

L134 ANSWER 102 OF 169 MEDLINE on STN DUPLICATE 63

AB This report characterizes three components of the fractionated wheat germ protein synthesizing system, factors D1, D2c, and D2d. Factor D1 has a molecular weight of about 420,000 and is comprised of 7-10 components varying in molecular mass between 28,000 and 105,000 daltons. The factor is absolutely required for the formation of both 40-S ribosome.Met-tRNAⁱMet and 80 S ribosome.Met-tRNAⁱMet complexes except at low Mg^{2+} concentration, where significant 40 S ribosome complex formation can be obtained without D1, provided the reaction products are fixed with glutaraldehyde. Factor D1 can be shown to interact with the 40-S ribosome subunit in two ways: the change in sedimentation of the ribosome subunits that occurs when ribosomes are incubated with the factor under dissociating conditions and the prevention of the reformation of 80 S ribosomes by a prior incubation of ribosome subunits with the factor. Factor D2c has a molecular mass of about 100,000 daltons and is absolutely required for the conversion of 40 S ribosome.Met-tRNAⁱMet complexes to 80 S ribosome.Met-tRNAⁱMet. Factor D2d strongly augments the D2c-dependent formation of 80S ribosome.Met-tRNAⁱMet complexes, with the requirement for D2d most apparent when the complexes are fixed with glutaraldehyde, a treatment that labilizes the 80 S ribosome-bound Met-tRNAⁱMet. Addition of factor D2d to a 40 S ribosome.Met-tRNAⁱMet synthesizing system also increases the amount of complex obtained 2-5-fold. Consideration of these characteristics establishes components D1, D2c, and D2d as wheat germ eucaryotic initiation factors 3, 5, and 4C, respectively.

L134 ANSWER 103 OF 169 MEDLINE on STN DUPLICATE 64

AB Wheat germ S100 supernatant was resolved into 10 components, all of which are required for tobacco mosaic virus RNA-directed incorporation of amino acid into protein. Two of the components, C2b and C2a, are, respectively, elongation factors 1 and 2, having molecular weights of 51,000 and 72,000.

A third factor (C2e) binds Met-tRNA in a GTP-requiring reaction and is absolutely required for the formation of both 40 S ribosome.Met-tRNAiMet and 80 S ribosome.Met-tRNAiMet complexes. This factor is considered to be eucaryotic initiation factor 2. Formation of 80 S ribosome Met-tRNAiMet complexes is augmented 2 to 3-fold by the simultaneous addition of an mRNA, factor C1, and fraction D2(a + b). Factor C1 also reverses the inhibition of translation by an increased concentration of monovalent cations and promotes the translation of a "competitively inhibited" mRNA. These observations suggest that factor C1 and either factor D2a and D2b (or both) function in mRNA attachment reactions. Factor C1 has a molecular weight of 115,000 and appears to be made up of two or three subunits. Factor D2b has been purified to essential homogeneity and has a molecular weight of 55,000. Its interaction with mRNA and its molecular weight suggest that this factor is the wheat germ equivalent of reticulocyte eucaryotic initiation factor 4A.

L134 ANSWER 150 OF 169 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on
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AB In vitro 14C-phenylalanine incorporation was studied using components isolated from sugar pine seed embryos and using gel filtration for supernatant purification. Embryo ribosomes from dry seeds supported incorporation to a greater extent than did the ribosomes from stratified seeds. Stratification of the seeds resulted in an increase in the ability of the supernatant fraction to support in vitro protein synthesis. These results contrast sharply with those presented earlier where pH 5 precipitation was used to purify the supernatant fraction and these differences are discussed.

L134 ANSWER 167 OF 169 MEDLINE on STN DUPLICATE 103

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